NorthPort
FLORIDA

Geosyntec
consultants

RFP NO. 2024-07 | 27 November 2023

Professional Engineering Services for Solid Waste Transfer Station Design

COPY

Geosyntec Consultants, Inc.
Marc J. Rogoff, PhD, Project Manager
12802 Tampa Oaks Blvd., Suite 151
Tampa, Florida 33637
813-810-5547 | mrogoff@geosyntec.com

TABLE OF CONTENTS

TABLE OF CONTENTS

TAB 1 - TRANSMITTAL LETTER

TAB 1 - TRANSMITTAL LETTER

27 November 2023

Alla V. Skipper, CPPB
Senior Contract Administrator
City of North Port
4970 City Hall, 3rd Floor, Suite 337
North Port , Florida 34286

Subject: Response to No. 2023-RFQ-031 Professional Engineering and Consulting Services (CCNA) For Transfer Station Design and Permitting

Dear Ms. Skipper:

As envisioned in the proposed work, the City of North Port (City) has an opportunity to develop its solid waste infrastructure through the design and implementation of a new transfer station, which will improve the overall efficiency of its operations and prepare for future growth in the region. Geosyntec Consultants, Inc. (Geosyntec) proposes a team that can guide the City in successfully implementing the transfer station and address the solid waste engineering and professional service categories identified in the Request for Proposal (RFP).

As a Senior Principal, Tom is authorized to represent Geosyntec on all contract matters. The proposed **Project Manager, Marc J. Rogoff, PhD,** has served as **project manager for more than 100 municipal engineering contracts** with Orange County, Polk County, Hillsborough County, Pinellas County, Sarasota County, Charlotte County, the City of Clearwater, the City of Tampa, and many others. As a result, he is intimately familiar with the technical requirements and the level of quality assurance needed to successfully complete this project in a timely manner. Marc will be the primary contact for the City, responsible for making available all resources necessary for a successful project completion.

Project Manager
CONTACT INFORMATION

Geosyntec consultants

Marc J. Rogoff, PhD
12802 Tampa Oaks Blvd., Suite 151, Tampa, Florida 33637
Phone: 813-810-5547

Project Team
SUBCONSULTANT EXPERTISE

HOWARD AND ASSOCIATES, ACHITECTS, P.A | WE WEKIVA ENGINEERING | EMI

To further enhance our bench strength, we are pleased to feature the expertise of the three subconsultants shown above, each of whom is a leading professional in Florida with a strong history of serving the state's clients to their utmost satisfaction.

Geosyntec greatly appreciates being considered by the City to continue providing transfer station consulting services. The enclosed statement of qualifications demonstrates our understanding of the nature of the work, our team's competency to meet the technical requirements of any project assigned, and our effective approach to project completion and success.

Sincerely,

Thomas Ramsey, P.E.
Project Director
tramsey@geosyntec.com

Marc J. Rogoff, Ph.D.
Project Manager
mrogoff@geosyntec.com

Todd Kafka, P.G.
Senior Principal/Vice President
Authorized to commit the firm

TAB 2 - DOCUMENTS

LICENSES AND CERTIFICATIONS

Provide copies of required licenses and certifications

Geosyntec Business License

State of Florida
Department of State

I certify from the records of this office that GEOSYNTEC CONSULTANTS,INC. is a corporation organized under the laws of the State of Florida, filed on December 1, 1983.

The document number of this corporation is G72454.

I further certify that said corporation has paid all fees due this office through December 31, 2023, that its most recent annual report/uniform business report was filed on January 4, 2023, and that its status is active.

I further certify that said corporation has not filed Articles of Dissolution.

Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Twenty-third day of January, 2023

Secretary of State

Tracking Number: 964778379OCU

To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.

https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication

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dbpr Department of Business & Professional Regulation

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LICENSEE DETAILS 3:06:50 PM 10/4/2023

Licensee Information

Name:	GEOSYNTEC CONSULTANTS, INC. (Primary Name)
Main Address:	900 BROKEN SOUND PKY NW #200 BOCA RATON Florida 33487-2775
County:	PALM BEACH

License Information

License Type:	Engineering Business Registry
Rank:	Registry
License Number:	4321
Status:	Current
Licensure Date:	01/24/1986
Expires:	

Special Qualifications | Qualification Effective

Alternate Names

View Related License Information
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2601 Blair Stone Road, Tallahassee FL 32399 :: Email: Customer Contact Center :: Customer Contact Center: 850.487.1395

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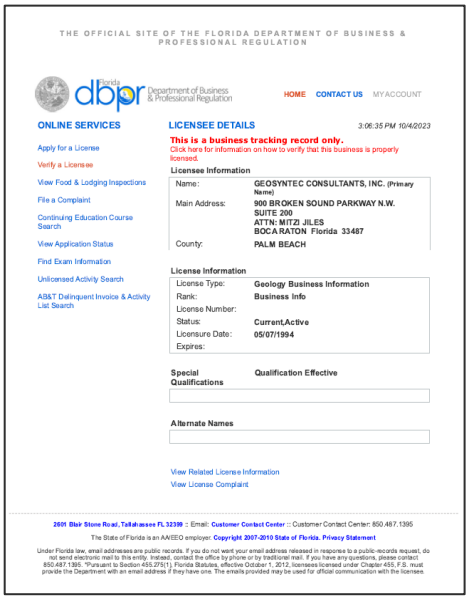

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LICENSEE DETAILS 3:06:35 PM 10/4/2023

This is a business tracking record only.
Click here for information on how to verify that this business is properly licensed.

Licensee Information

Name:	GEOSYNTEC CONSULTANTS, INC. (Primary Name)
Main Address:	900 BROKEN SOUND PARKWAY N.W. SUITE 200 ATTN: MITZI JILES BOCA RATON Florida 33487
County:	PALM BEACH

License Information

License Type:	Geology Business Information
Rank:	Business Info
License Number:	
Status:	Current,Active
Licensure Date:	05/07/1994
Expires:	

Special Qualifications | Qualification Effective

Alternate Names

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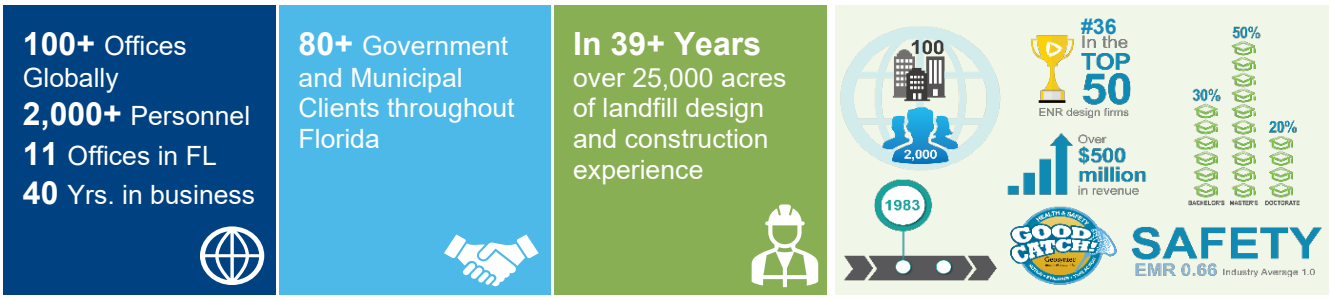

Geosyntec is an industry-leading, employee-owned consulting engineering firm with more than 100 offices, including 11 in Florida. Geosyntec was founded in Florida in 1983 with a primary focus on the solid waste industry and has grown into a multidisciplined organization with more than 2,000 staff, including engineers, geologists, scientists, and renowned technical professionals throughout the United States and overseas. Established with this core competency in solid waste management facility design, permitting, and construction, Geosyntec has earned a reputation as a world leader in the waste management industry. We are large enough to consistently deliver technical excellence, yet our operational and management structure is devoted to providing unmatched client service to numerous municipal clients such as the City of North Port.

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Key Personnel Licenses

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- Find Exam Information
- Unlicensed Activity Search
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LICENSEE DETAILS 5:19:40 PM 11/13/2023

Licensee Information

Name:	RAMSEY, THOMAS BRUCE (Primary Name)
Main Address:	10211 WINCOPIN CIRCLE 4TH FLOOR COLUMBIA Maryland 21044
County:	OUT OF STATE
License Mailing:	10211 WINCOPIN CIRCLE FLOOR 4 COLUMBIA MD 21044
County:	OUT OF STATE

License Information

License Type:	Professional Engineer
Rank:	Prof Engineer
License Number:	75672
Status:	Current,Active
Licensure Date:	01/23/2013
Expires:	02/28/2025

Special Qualifications	Qualification Effective
Civil	01/23/2013

Alternate Names

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- Continuing Education Course Search
- View Application Status
- Find Exam Information
- Unlicensed Activity Search
- AB&T Delinquent Invoice & Activity List Search

LICENSEE DETAILS 5:22:05 PM 11/13/2023

Licensee Information

Name:	GUSTITUS-GRAHAM, SARAH ANNE (Primary Name)
Main Address:	504 BROXBURN AVE. TEMPLE TERRACE Florida 33617
County:	HILLSBOROUGH

License Information

License Type:	Professional Engineer
Rank:	Prof Engineer
License Number:	95341
Status:	Current,Active
Licensure Date:	11/28/2022
Expires:	02/28/2025

Special Qualifications	Qualification Effective
Environmental	11/28/2022

Alternate Names

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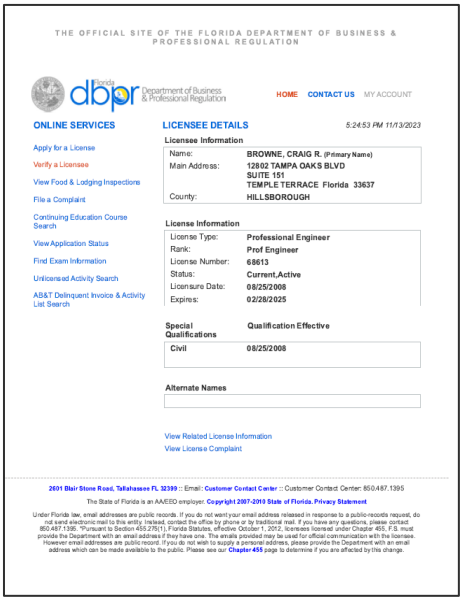

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- File a Complaint
- Continuing Education Course Search
- View Application Status
- Find Exam Information
- Unlicensed Activity Search
- AB&T Delinquent Invoice & Activity List Search

LICENSEE DETAILS 5:24:53 PM 11/13/2023

Licensee Information

Name:	BROWNE, CRAIG R. (Primary Name)
Main Address:	12802 TAMPA OAKS BLVD SUITE 151 TEMPLE TERRACE Florida 33637
County:	HILLSBOROUGH

License Information

License Type:	Professional Engineer
Rank:	Prof Engineer
License Number:	68613
Status:	Current,Active
Licensure Date:	08/25/2008
Expires:	02/28/2025

Special Qualifications	Qualification Effective
Civil	08/25/2008

Alternate Names

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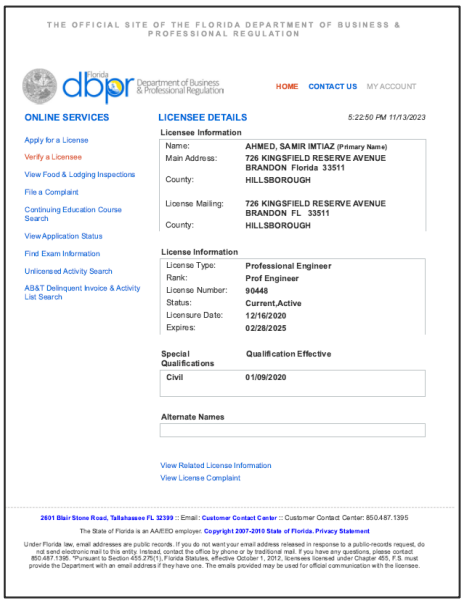

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- View Food & Lodging Inspections
- File a Complaint
- Continuing Education Course Search
- View Application Status
- Find Exam Information
- Unlicensed Activity Search
- AB&T Delinquent Invoice & Activity List Search

LICENSEE DETAILS 5:22:50 PM 11/13/2023

Licensee Information

Name:	AHMED, SAMIR IMTIAZ (Primary Name)
Main Address:	726 KINGSFIELD RESERVE AVENUE BRANDON Florida 33511
County:	HILLSBOROUGH
License Mailing:	726 KINGSFIELD RESERVE AVENUE BRANDON FL 33511
County:	HILLSBOROUGH

License Information

License Type:	Professional Engineer
Rank:	Prof Engineer
License Number:	90448
Status:	Current,Active
Licensure Date:	12/16/2020
Expires:	02/28/2025

Special Qualifications	Qualification Effective
Civil	01/09/2020

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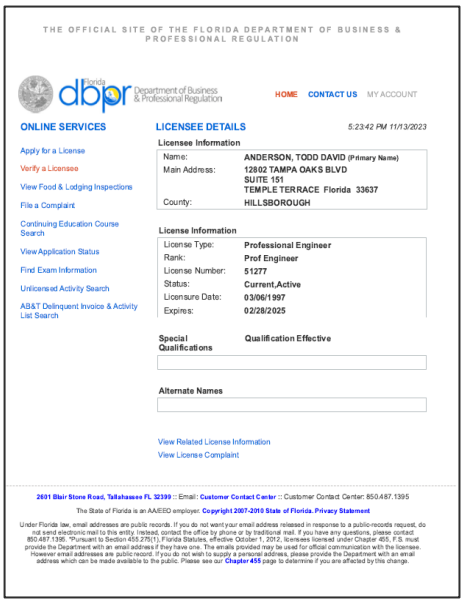

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- Apply for a License
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- File a Complaint
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- Unlicensed Activity Search
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LICENSEE DETAILS 5:23:42 PM 11/13/2023

Licensee Information

Name:	ANDERSON, TODD DAVID (Primary Name)
Main Address:	12802 TAMPA OAKS BLVD SUITE 151 TEMPLE TERRACE Florida 33637
County:	HILLSBOROUGH

License Information

License Type:	Professional Engineer
Rank:	Prof Engineer
License Number:	51277
Status:	Current,Active
Licensure Date:	03/06/1997
Expires:	02/28/2025

Special Qualifications	Qualification Effective

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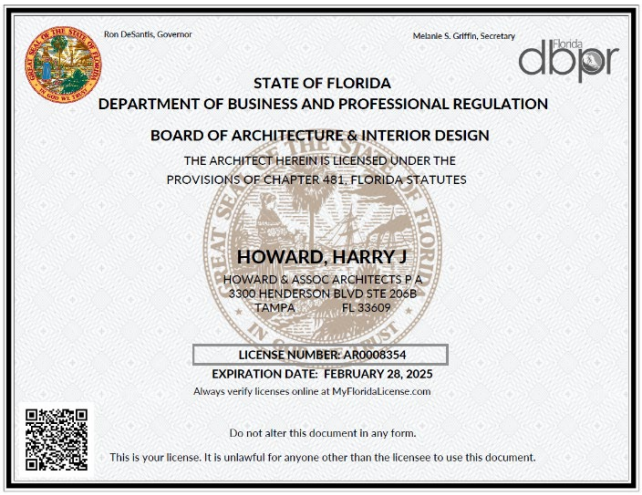
Subcontractor Licenses and MBE Certifications

Howard and Associates



Ron DeSantis, Governor
Melanie S. Griffin, Secretary
Florida dbpr

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

BOARD OF ARCHITECTURE & INTERIOR DESIGN

THE ARCHITECT HEREIN IS LICENSED UNDER THE
PROVISIONS OF CHAPTER 481, FLORIDA STATUTES

HOWARD, HARRY J
HOWARD & ASSOC ARCHITECTS P A
3300 HENDERSON BLVD STE 206B
TAMPA FL 33609

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EXPIRATION DATE: FEBRUARY 28, 2025
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City of Tampa Florida

Minority and Small Business Development

Certification Program
This is to certify that in accordance with City of Tampa Ordinance 2008-89
Howard & Associates, Architects, P.A. DBA Harry James Howard

is hereby certified as a

Minority Business Enterprise (MBE)

In the following specialty(ies)

Architects, Planners and Services

The certification is valid from October 16, 2021 to October 16, 2023

Updates for recertification are required prior to the expiration date listed above. If at any time changes are made in the firm that are not in concert with our eligibility requirements, you agree to report those changes to us for evaluation. The City of Tampa reserves the right to terminate this certification at anytime it determines eligibility requirements are not being met.

Gregory K. Hart, Manager
Minority and Small Business Manager

Wekiva Engineers, Inc

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Licensee Information

Name:	WEKIVA ENGINEERING, LLC (Primary Name)
Main Address:	711 ORLANDO AVE STE A WINTER PARK Florida 32789
County:	ORANGE

License Information

License Type:	Engineering Business Registry
Rank:	Registry
License Number:	31920
Status:	Current
Licensure Date:	12/07/2016
Expires:	

Special Qualifications	Qualification Effective

Alternate Names

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LICENSEE DETAILS 5:28:12 PM 11/13/2023

Licensee Information

Name:	SOBCZAK, JOHN VINCENT (Primary Name)
Main Address:	390 DUBSDREAD CIR. ORLANDO Florida 32804
County:	ORANGE

License Information

License Type:	Professional Engineer
Rank:	Prof Engineer
License Number:	71407
Status:	Current,Active
Licensure Date:	06/25/2010
Expires:	02/28/2025

Special Qualifications	Qualification Effective
Structural 1	07/27/2009
Advanced Building Code Course Credit	12/31/2018
7th Edition, Florida Building Code	02/09/2021

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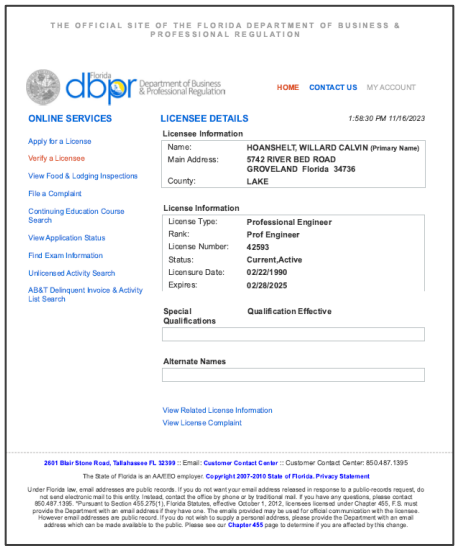
EMI Consulting Specialties



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Unlicensed Activity Search
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LICENSEE DETAILS 1:58:30 PM 11/16/2023

Licensee Information

Name:	HOANSHELT, WILLARD CALVIN (Primary Name)
Main Address:	5742 RIVER BED ROAD GROVELAND Florida 34736
County:	LAKE

License Information

License Type:	Professional Engineer
Rank:	Prof Engineer
License Number:	42593
Status:	Current,Active
Licensure Date:	02/22/1990
Expires:	02/28/2025

Special Qualifications	Qualification Effective

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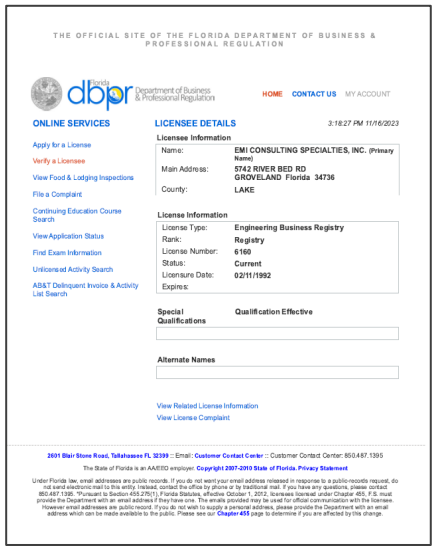

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LICENSEE DETAILS 3:18:27 PM 11/16/2023

Licensee Information

Name:	EMI CONSULTING SPECIALTIES, INC. (Primary Name)
Main Address:	5742 RIVER BED RD GROVELAND Florida 34736
County:	LAKE

License Information

License Type:	Engineering Business Registry
Rank:	Registry
License Number:	6160
Status:	Current
Licensure Date:	02/11/1992
Expires:	

Special Qualifications	Qualification Effective

Alternate Names

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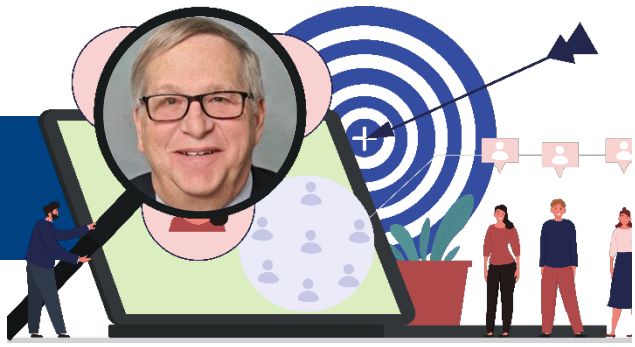
RESUMES

On the following pages are resumes of key personnel demonstrating the minimum and preferred qualifications.

Marc Rogoff, PhD, CEP, QEP
Project Manager



- Tom Ramsey, PE, Project Director, Transfer Station Design
- Sarah Gustitus-Graham, PhD, PE, Assistant Project Manager, Permitting
- Craig Browne, PE, Quality Control Reviewer
- Todd Anderson, PE, Existing Conditions
- Samir Ahmed PE, Hydrological and Geotechnical Investigations

Resumes of Key Personnel

Marc Rogoff, PhD, CEP, QEP | Senior Consultant

Years of Experience: 46 | **Years with Geosyntec:** 6

With over 40 years of experience, Dr. Rogoff is one of the nation's top experts in solid waste collection, waste-to-energy, the evaluation of rates, cost allocation studies, system valuations, and the development of master plans for solid waste agencies. Dr. Rogoff has held executive management positions in both local government and in the private sector. His efforts have included the development of innovative collection and recycling programs, provided guidance on public education and outreach programs, and assisted in grant programs. He has conducted more than 50 solid waste collection studies, enabling his clients to improve efficiencies. He has also developed and led engagement strategies with stakeholder groups and regulators under a variety of state, Federal and international regulatory programs. Dr. Rogoff is the former Director of the Collection and Transfer Technical Division with SWANA and was awarded their **2018 Distinguished Individual Achievement Award** in March of 2018. He was also awarded **a Life Membership of SWANA** in 2019 and awarded a **Legacy 30 Award** from MSW Management magazine, as being one of the top 30 professionals in solid waste over the last 30 years. **During his career, he has managed the construction of eight transfer stations and over 35 feasibility/economic assessments**.

Proposed Role:

Project Manager

Education:

M.B.A., Finance, University of Tampa, 1986

Ph.D., Resource Development, Michigan State University, 1979

M.S., Soil Science, Cornell University, 1975

B.S., Environmental Science, Cornell University, 1973

Registrations & Certifications:

Certified Environmental Professional, (CEP) No. 322

Qualified Environmental Professional, QEP, No. 4970062

Relevant Experience:

Transfer Station Cost Benefit Analysis and Permitting and Design, City of Lakeland, Florida. Dr. Rogoff is the project manager for the development of a comprehensive cost benefit analysis as well as the design and permitting for the construction and operation of a Transfer Station for City of Lakeland, Florida.

Transfer Station and Drop Off Station Operational Assessment, Island County, Washington. In this project, Dr. Rogoff's role as project manager required him to oversee operation assessment and benchmarking of two 200 tons per day transfer stations and four citizen drop-off stations.

Design and Permitting of a Transfer Station, Charlotte County, Florida. Dr. Rogoff was the project manager for permitting and construction of a 200 TPD Transfer Station with recycling drop-off facility, household hazardous waste collection, and "swap shop". This study included identification of feasible sites, zoning and permitting assistance, construction plans and specifications, bidding assistance, and construction monitoring.

West Charlotte Mini-Transfer Station Renovations, Charlotte County, Florida. As project director, Dr. Rogoff was in charge of the West Charlotte mini-Transfer Station renovations.

East Pasco Solid Waste Transfer Station and Recycling Center, Pasco County, Florida. In this project, Dr. Rogoff was project manager for the 500 TPD East Pasco Solid Waste Transfer Station and Recycling Center for Pasco County, Florida.

Transfer Station Evaluation, Pinellas County, Florida. Dr. Rogoff was project manager for the evaluation of north county Transfer Station needs and financial costs.

Transfer Station and Design of a Transfer Station, Solid Waste Authority of Palm Beach County, Florida. As project manager, Dr. Rogoff oversaw the Preliminary Design Analysis and Siting Evaluation for the Glades Solid Waste Transfer Station, and South County Transfer Station

Proposed Role:

Project Director

Education:

M.S., Environmental Engineering, Duke University, 1991
B.S., Civil Engineering, Dartmouth College, 1988
B.A., Engineering, Dartmouth College, 1987

Specialties:

Solid Waste Facility Design and Construction
Solid Waste Operations and Financial Analysis
Civil Engineering

Registrations & Certifications:

Professional Engineer: Florida, No. 75672

Alabama, Delaware, Georgia, Kentucky, Maryland, New Jersey, North Carolina, Pennsylvania, South Carolina, Virginia, and West Virginia

Thomas Ramsey, PE| Senior Principal

Years of Experience: 35 | **Years with Geosyntec:** 21

Mr. Ramsey is a Senior Principal and Environmental Engineer with more than 30 years of experience in permitting, construction, operations, and economics associated with solid waste management. As part of this work, he regularly provides detailed design and permitting for solid waste processing and transfer facilities. Prior to joining Geosyntec, Mr. Ramsey worked with a major private solid waste company and was responsible for the management of 20 landfills and 20 transfer stations in the Southeast, including several regional facilities that managed over 3,000 tons per day. As a result of this combination of consulting and operational experience, Mr. Ramsey offers a unique understanding of the complex interaction between facility design, operations, and economics associated with solid waste processing. This experience, from both an engineer's and owner's perspective, enables him to better identify simple, robust, and effective means for development of new infrastructure or rehabilitation of existing, underperforming facilities.

Relevant Experience:

Transfer Station Permitting and Design, City of Lakeland, Florida. Mr. Ramsey is the Project Director for the design and permitting for a greenfield Transfer Station development for City of Lakeland, Florida. The facility will include a 20,000-square-foot Transfer Station, 8,000-square-foot container maintenance building, employee facilities, scale facility, and associated stormwater and access infrastructure. When completed, it will provide operational flexibility and cost savings over direct haul of the City's waste to Polk County landfill.

Materials Recovery Facility (MRF) Development, Chesapeake, Virginia. Mr. Ramsey was in charge of the design and permitting for a new 800 TPD MRF in Chesapeake, Virginia. The operations were intended to serve as a Transfer Station with selective recovery from the tipping floor, thus the MRF designation. The project involved conversion of an existing industrial building into a MRF by retrofitting a tipping floor, loading bay, leachate management system, and materials storage and processing area. His work included preparation of local zoning and state permit documents.

Transfer Station Expansion, **Howard County, Maryland.** Mr. Ramsey was responsible for the construction design for an addition to double the transfer processing capacity of an operating 300 ton per day Transfer Station. His work included permitting and construction-level design to remove an existing wall and construct a "twin" building that doubled the tipping floor. This would add a second loading bay in addition to replacing a 30-year-old, substandard scale house, and add additional inbound and outbound scales. The design must be phased so that existing operations are not interrupted during construction.

Transfer Station Retrofit and Improvements, Baltimore, Maryland. Mr. Ramsey was in charge of design and permitting of improvements to an 800 TPD Transfer Station for construction/demolition debris. His work included a new tipping floor, stormwater management system, and building modifications to improve traffic flow, and adding a second scale. The design included extensive stormwater review to address new industrial stormwater management requirements. The project included preparation of permitting and construction documents, construction oversight.

Proposed Role:

Assistant Project Manager

Education:

Ph.D., Civil and Environmental Engineering, University of Virginia, 2020

M.S., Civil Engineering Auburn University, 2017

B.S., Environmental Engineering, University of Florida, 2015

Specialties:

Geoenvironmental Engineering

Solid Waste Operations and Financial Analysis

Solid Waste Permitting and Compliance

Registrations & Certifications:

Professional Engineer: Florida, No. 95341

40-Hour OSHA HAZWOPER Certification

Sarah Gustitus-Graham, PhD, PE| Engineer

Years of Experience: 5 | **Years with Geosyntec:** 2

Dr. Gustitus-Graham takes a holistic approach to solid waste management, with experience in geoenvironmental engineering, permitting and compliance, and fiscal planning. Her engineering experiences include landfill expansion design and permitting; geotechnical and hydrogeological investigations for landfill expansions; and construction quality assurance. She has been involved in the permitting and design for five landfill expansions in the last two years.

Dr. Gustitus-Graham has managed continued compliance efforts for public and private clients, including permit renewals and ERP stormwater inspections for transfer stations and yard debris facilities; Title V compliance for active landfills; and stability reports for closed landfills. In the area of fiscal planning, Dr. Gustitus-Graham has completed solid waste rate studies, cost-benefit analyses, and benchmarking studies for various solid waste operations across several states. Dr. Gustitus-Graham recently received the Waste360 40 Under 40 award

Relevant Experience:

Transfer Station Cost Benefit Analysis, City of Lakeland, Florida. Dr. Gustitus-Graham was the assistant project manager for the design and permitting for a greenfield Transfer Station development for City of Lakeland, Florida. The facility will include a 20,000-square-foot Transfer Station, 8,000-square-foot container maintenance building, employee facilities, scale facility, and associated stormwater and access infrastructure. When completed, it will provide operational flexibility and cost savings over direct haul of the City's waste to Polk County landfill.

Ongoing Solid Waste Engineering Services, Hillsborough County, Florida. Dr. Gustitus-Graham provides ongoing permit and compliance support to Hillsborough County's Solid Waste Services for their transfer stations (Northwest and South County) and closed landfills. Her support includes tracking permit renewal and periodic report dates; five-year permit submittals; Transfer Station operations plan updates; stormwater inspections for ERP compliance; yard debris annual reports; storm debris management registration; and engineering and construction quality assurance (CQA) support related to improvements and maintenance.

Heart of Florida Landfill Northern Expansion Design and Permitting, ACMS, Inc., Lake Panasoffkee, Florida. Geosyntec designed and developed the permitting package for a Class I landfill expansion covering more than 100 acres in central Florida. Dr. Gustitus-Graham led the field investigation for this expansion, overseeing drilling of more than 110 SPT boreholes and 80 CPT soundings. She also completed the slope stability analysis, leachate collection system design for this expansion, and developed the technical specifications, financial assurance cost estimate, and subgrade improvement plan.

Byproduct Storage Area Closure, Lakeland Electric, Lakeland, Florida. Dr. Gustitus-Graham completed the settlement analyses and assisted in the preparation of engineering drawings for final closure of a 44-acre coal combustion residual (CCR) storage area at the C.D. McIntosh Power Plant..

Proposed Role:

Quality Control Reviewer

Education:

M.S., Civil Engineering, University of Texas, Austin, Texas, 2001

B.S., Civil Engineering, Tufts University, Medford, Massachusetts, 1999

Specialties:

Landfill Permitting & Gas Management Compliance

Stormwater Management & Compliance

Landfill Closure & Redevelopment

Registrations & Certifications:

Professional Engineer: Florida, No. 68613

NCEES Council Record, No. 34774

Craig Browne, PE | Principal

Years of Experience: 21+ | **Years with Geosyntec:** 21+

Mr. Browne is the geotechnical and geo-environmental department manager for Geosyntec's Tampa office. He has more than 21 years of experience, including over ten years of project management expertise for several multi-million-dollar solid waste projects. Mr. Browne brings a collaborative approach to all projects, engaging not only clients and subcontractors, but regulators to achieve mutual goals and deliver successful projects. His career has focused on planning, design, permitting, and construction of solid waste facilities for managing and disposal of municipal, hazardous, and radiological waste materials. He has particular expertise in slope stability analysis, design of MSE (mechanically stabilized earth) berms, leachate management, LFG management and utilization, subsurface exploration, surface water management system design and operation, laboratory and field testing of construction materials, and construction planning and oversight.

Relevant Experience:

Ongoing Solid Waste Engineering Services, Hillsborough County, Florida. Mr. Browne has provided technical support for multiple solid waste engineering projects for Hillsborough County Solid Waste Department. Projects have included Northwest Transfer Station entrance road and scalehouse design and permitting, conceptual design and costing of a new entryway and scalehouse project to service the Citizens Convenience Center including a new Yard Waste Processing Facility at the Hillsborough Heights-Taylor Road Landfill and planning for the development of materials at the County's Resource Recovery Facility.

Transfer Station Permitting, Progressive Waste Solutions, Clearwater, Florida. Mr. Browne served as project manager and engineer-of-record for an FDEP permit renewal for the CMT Class III and C&D debris Transfer Station. He worked with the client to update the engineering layout drawings and operations plan to incorporate baler equipment, a revised tipping floor area, and to allow the facility to accept recyclable materials for baling and transfer.

Transfer Station Permitting, Waste Connections of Florida, Inc., Miami-Dade County, Florida. Mr. Browne served as Project Director and engineer-of-record for an FDEP and Dade County Environmental Resources Management (DERM) permit renewal for the 1st Place C&D debris Transfer Station. The project involved updates to the site plan drawings, operations plan, and new financial assurance cost estimate.

Transfer Station Permitting, Progressive Waste Solutions, Miami, Florida. Browne provided permitting services for the continued operation of a material processing facility for 1,500 cubic yards per day. The project involved site visits to verify waste material volumes, types, handling, processing, and storage methods. Mr. Browne provided peer review of the revised facility site plan, operations plan, and financial assurance documentation to ensure compliance with Rule 62.701-710 Florida Administrative Code (F.A.C.).

Santa Rosa County Landfill, Santa Rosa County, Milton, Florida. Mr. Browne served as project manager and provided technical support on multiple landfill facility projects including an entrance road improvements design (which consisted of geotechnical investigation, roadway, stormwater, and lift station design). He also was in charge of the design and FDEP solid waste and ERP permitting of a 64-acre lateral and vertical expansion of the Class I landfill.

Proposed Role:

Existing Conditions Task Lead

Education:

M.S. Civil Engineering, University of South Florida, 1999

B.S. Civil Engineering, University of South Florida, 1988

Specialties:

Geotechnical Investigations

Civil & Geotechnical Design Projects

Tailings Dam Design & Inspections

Foundation & Pavement Design

Surface Water Hydrology Studies

Registrations & Certifications:

Professional Engineer: Florida, No. 51277

Georgia: No. 44584

Louisiana: No. 43662

Todd Anderson, PE | Senior Engineer

Years of Experience: 30+ | **Years with Geosyntec:** 8

Mr. Anderson is a registered professional engineer with over 34 years of experience in geotechnical, civil, and geo-environmental engineering projects including: field inspections, design, permitting, project management, and construction support and oversight. His early career was highly focused on the Florida Department of Transportation and a private industry. The mining industry was also a focus for Mr. Anderson for a large portion of his career. He has worked on mining projects for the phosphate industry, attapulgite clay, oil sands, gold, and more. His recent work has included design services for power industry facilities, landfills, and the manufacturing industry.

Relevant Experience:

Close-In-Place Design of Byproduct Storage Area, C.D. McIntosh Power Plant, Lakeland, Florida. Mr. Anderson was the project manager and engineer of record for the closure design of the Byproduct Storage Area (BSA) CCR unit at the C.D. McIntosh Power Plant. Under this scope of work, Geosyntec prepared design calculations (slope stability analysis, settlement analysis, stormwater management design, and infiltration analysis), specifications, and plans for closure of the BSA. Geosyntec also prepared the major permit modification of the site's Conditions of Certification.

Hillsborough Heights Yard and Wood Waste Conceptual Layout Design Hillsborough County, Florida. Mr. Anderson was the project manager and lead engineer for development of three conceptual design configurations, including: location of three scales and scale house with bypass lanes, two lane road to dump area, a yard and wood waste processing area, and stormwater management. Geosyntec presented three separate layout options considering permitting, engineering requirements (turning radii, clearances, drainage features, and etc.), and county requirements. Each layout was evaluated for benefits/disadvantages, cost, functionality, constructability, and impact to local residents. The results of the study assisted the County with selecting the final Yard and Wood Waste Recovery Facility layout for final design.

Orlo Vista Flood Mitigation Design, Orange County Public Works, Orange County, Florida. Mr. Anderson served as the geotechnical engineer-of-record for the design of a flood mitigation system for the Orlo Vista Community surrounding Lake Venus. Geosyntec's proposed design consists of dredging the existing lakes to increase storage to protect the homes. The geotechnical investigation included field and laboratory testing to obtain data required to establish the subsurface conditions. Geosyntec used the investigation data estimate soil strengths and unit weights to be used in the analysis. Subsurface models for the dredging of the ponds were created and used for seepage and slope stability evaluations of the ponds during a drawdown event. Additional geotechnical data was collected along the proposed pipeline and at the proposed pump house. The design also included slope armoring to control erosion during the drawdown and refilling of the pond.

Proposed Role:

Hydro-Geo Investigation Task Lead

Education:

M.Eng., Civil Engineering, University of Florida, 2016

B.S., Civil Engineering, University of Florida, 2015

Specialties:

Geoenvironmental Engineering

Geotechnical Investigation & Instrumentation

Registrations & Certifications:

Professional Engineer: Florida, No. 90448

OSHA 40 and 8-Hour HAZWOPER

OSHA 10-Hour Construction Industry Outreach

Samir Ahmed, PE | Project Engineer

Years of Experience: 7 | **Years with Geosyntec:** 7

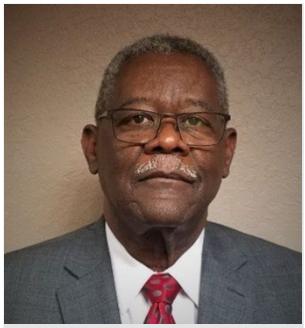
Mr. Ahmed is a Florida-registered professional engineer with seven years of experience accumulated in the field of geotechnical and geoenvironmental engineering. His career has focused on the design, permitting, and construction of solid waste facilities. He has particular expertise in landfill leachate collection and removal system (LCRS) design, landfill gas (LFG) management, foundation design, **and geotechnical site characterization**. Mr. Ahmed has also led or supported several operation and permitting projects for solid waste disposal facilities across the state and most recently served as the project manager for an approximately 80-acre lined expansion at a construction and demolition (C&D) debris disposal facility in Southwest Florida.

Relevant Experience:

Transfer Station Permitting, Waste Connections of Florida, Inc., Miami-Dade County, Florida. Mr. Ahmed assisted with the preparation of a FDEP and Miami-DERM permit renewal application for the continued operation of the 1st Place C&D debris Transfer Station. This Transfer Station receives a daily average of approximately 1,500 cubic yards of material. This project involved updates to the existing site plan drawings, operations plan, and developing a new financial assurance cost estimate. Mr. Ahmed and Geosyntec addressed DERM's requests for additional information (RAIs) during the permitting process. The facility was successfully approved for a permit renewal to continue solid waste management operations.

Geotechnical Investigation, Champlain Towers South Post-collapse, Surfside, Florida. Mr. Ahmed supported the geotechnical investigation following the collapse of Champlain Towers South, previously a 12-story beachfront condominium. His responsibilities included coordinating geotechnical drilling activities at the site and monitoring the geotechnical drilling activities of four (4) geotechnical SPT borings, performing in compliance with ASTM D1586, *Standard Test Method for SPT and Split-Barrel Sampling of Soils.* While monitoring the drilling activities, Mr. Ahmed drafted boring logs, obtained soil samples, and performed visual soil classifications in compliance with ASTM D2488, *Standard Practice for Description and Identification of Soils*.

Hydrogeological-Geotechnical Investigation, Southeast County Landfill, Section 10 Capacity Expansion Area, Lithia, Florida. Mr. Ahmed monitored the geotechnical drilling activities performed in the geophysical/geotechnical correlation pilot testing area proposed on the north side of the Section 10 expansion area. The drilling activities consisted of geotechnical SPT borings performed in compliance with ASTM D1586, and *Standard Test Method for SPT and Split-Barrel Sampling of Soils*. While monitoring the drilling activities, Mr. Ahmed drafted boring logs, obtained soil samples, and performed visual soil classifications in compliance with ASTM D2488, *Standard Practice for Description and Identification of Soils*.



Proposed Role:

Architectural Engineering Lead

Education

Architectural and Civil Technology, Technical Education Center, Clearwater, Florida, 1967

Registrations & Certifications

Professional Architect: Florida, No. AR0008354

Harry Howard, AIA | President

Years of Experience: 40+ | **Subconsultant Firm:** Howard and Associates Architects, P.A.

Mr. Howard is the founder and president of Howard and Associates, Architects, P.A. The firm is African American owned and guided by the direction of Harry Howard since its inception in 1991. Mr. Howard is a native of Pinellas County, growing up in Clearwater, Florida. His 41 years of experience includes diverse expertise in governmental, corporate, educational, commercial, aviation, medical, industrial, and residential design projects

Howard and Associates, Architects, P.A. enjoys a strong tradition and reputation for responsible work and exemplary project management control and delivery. They seek clues for their work in the context of each project and the values, traditions, goals, mission, and objectives of our clients. The firm's mission statement of always providing a quality product has resulted in many satisfied, repeat clients. Howard And Associates Architects, P.A.'s most recent and project-relevant experience includes.

Relevant Experience:

Solid Waste Department, McKay Bay New Solid Waste Transfer Station and Administration Building, Tampa, Florida. A new 48,500 -square-foot Transfer Facility with an elevated tipping floor that facilitates a two-lane loading tunnel below with scales and a detached 5,000 -square-foot two-story administration building.

Waste Management Department, Design-Build of Northwest Transfer Facility Improvements, Hillsborough County, Florida. This project included several new miscellaneous structures and a new scale house with an overhead canopy encompassing the inbound and outbound scales.

Solid Waste Department, Fleet Maintenance Building, Tampa, Florida. This pre-engineered metal building structure contains approximately 45,700 -square-feet of motor vehicle repair area for the Solid Waste Department's sedan, truck, and heavy equipment lines. A covered outside maintenance area and administrative offices were provided.

Sports Authority, Rogers Park Club House Reroofing Project, Tampa, Florida. Replaced the existing cement roof tiles with new prefinished standing seam metal roofing, gutters, and downspouts.

Water Reclamation Control Building, Oldsmar, Florida. A two-story Water Reclamation Facility designed with the administration functions on the second level and storage located on the first level with flood venting and flood barriers at Lobby and Stairs due to the building's proximity to upper Tampa Bay.

McKay Bay Waste-To-Energy Facility Upgrade Design Build, Tampa, Florida. A major renovation of the existing facility. H.A.A. was responsible for the replacement of the roof and wall panels at the Ash Building, upgrading the personnel elevator, and creating a new electric room at the Scaler Building.

Proposed Role:

Structural Engineering Lead

Education

M.S. Structural Engineering, University of Central Florida, Orlando, Florida, 2006

B.S. Mechanical Engineering, University of Central Florida, Orlando, Florida, 2004

Specialties

Structural Engineering

Structural Analysis

Structural Design

Civil Engineering

Geotechnical Engineering

Registrations & Certifications

Professional Engineer: Florida, No. 71407

John Sobczak, PE | Principal Engineer

Years of Experience: 18 | **Subcontractor Firm:** Wekiva Engineering, LLC

Mr. Sobczak has 18 years of experience working in the solid waste industry. His experience encompasses both structural and structural/geotechnical engineering and focuses on the inspection, analyses, modeling, and design of environmental and municipal structures. He is also experienced in many computer aided design software such as RISA, Robot, Visual Slope, and Revit. Mr. Sobczak is well versed in the requirements for the preparation of structural design calculations and high-quality contract documents for solid waste facilities and the industrial structures and buildings at those facilities. This experience stems from having provided services to various governmental agencies, industrial concerns, consulting engineers, and architect/engineers. In addition, he has been a critical member of a successful small engineering company, where he has performed many types of designs outside of the solid waste industry which include earthen dams, stadiums, bridges, elevated water storage tanks, and commercial and retail structures. This broad experience allows Mr. Sobczak to provide solutions to engineering problems that are the most cost effective and simple enough to ensure smooth construction and superior results.

Wekiva Engineering, LLC (Wekiva) consists of highly experienced and talented engineers have been providing cost-effective solutions and exceptional results for their clients throughout the Southeastern United States. Being a small, local company, Wekiva is uniquely capable of providing quick and quality engineering services to their local communities and municipalities. Their engineers have performed work for multiple municipalities over the past several years.

Relevant Experience:

City of Clearwater Transfer Station Replacement Project, City of Clearwater, Florida. Mr. Sobczak served as the Structural Engineer of Record for the new Transfer Station which measured approximately 180ft x 150ft in plan and was nearly 60ft tall as measured from the surrounding grade. The structure was constructed with a cast-in place concrete foundation, elevated tipping slab that was column supported creating a basement level below the entire structure. The structure was then covered with a pre-engineered metal building. The structure included steel plate reinforced concrete push walls, trash crane supports, drive though, etc. The project also included an operations building which was a single-story masonry building located adjacent to the Transfer Station Building. Additionally, a precast concrete Scale Building was constructed along with several cast-in-place concrete site retaining walls and MSE retaining walls.

Storage & Truck Fill System, Brevard County, Florida. Mr. Sobczak served as the Structural Engineer of Record for the project which includes the design of two prefabricated steel storage tanks on concrete ring beam foundations, cast-in-place concrete containment slab and walls around the storage tanks, pump station located under a pre-engineered metal canopy and a loading area located under an adjacent pre-engineered metal canopy.

Proposed Role:

Mechanical, Electrical, and Plumbing Design Lead

Education

BSEE, Florida Atlantic University, 1986

Specialties

Water & Wastewater Sector

Power System Modeling

Energy Studies

Harmonic Studies

Fault Analysis

Registrations & Certifications

Professional Engineer: Florida, No. 42593

WILLARD (PETE) HOANSHELT, PE | PRESIDENT

Years of Experience: 30 | **Subcontractor Firm:** EMI Consult. Specialties, Inc

Mr. Hoanshelt is highly qualified in electrical and instrumentation control engineering, with specific expertise in the water and wastewater industry. He is qualified to design lighting system for both low and medium voltage systems. His expertise in electrical machines and variable speed drives provide bases for his energy management studies. Pete's expertise in instrumentation and controls includes computer-based data acquisition systems, programmable logic controls, analog loop and discrete conventional control systems, flow and analytical meter evaluation and selection.

EMI Consulting Specialties, Inc. (EMI) was founded in May 1991 in Orlando, Florida to serve the technical requirements of the civil and environmental sectors. EMI has specialized in the disciplines related to the storm water, potable water and wastewater facility systems. Their expertise are related to the power, lighting, control and instrumentation and SCADA systems required to serve the civil and environmental arena. EMI was established on the premise that there exist a need for quality services in the designing of the water and wastewater sectors. EMI's combination of electrical, power and control system expertise has contributed to designs that are economical to design and build.

Relevant Experience:

City of Clearwater Transfer Station, Clearwater, Florida. The project included the design of a 480-volt power distribution system with standby generator for a solid waste transfer station. This project included a lighting, grounding, surge protection, form alarm and video surveillance system.

City of Winter Garden Wastewater Treatment Plant Improvements, Winter Garden, Florida. This project included the design and construction services related to a computer and programmable logic controller-based data acquisition, control and monitoring system with radio telemetry to a remote pond with field analytical and process instrumentation.

City of Titusville Reuse Pump Station, Titusville, Florida. The project included the design reuse pump station and storage to serve the North area of the City of Titusville. The project utilized 3-100HP variable speed drives and controls. The project included the design of a programmable logic controller-based control system to implement automatic pumping. The control system included interfacing with the Cities' SCADA system, flow metering and level monitoring.

City of Orlando Lake Nona Master Pump Station, Orlando, Florida. The project included the design a master pump station. The project utilized 3-100HP variable speed drives and controls. The project included the design of a programmable logic controller-based control system to implement automatic pumping. The control system included interfacing with the Cities' SCADA system, flow metering and level monitoring.

Geosyntec has a strong history in the **successful design and permitting of transfer stations** while also **streamlining the processes to be cost- and time-efficient.**

Geosyntec offers a unique understanding of the crucial interplay between the **design, operation, and economics of transfer stations.**

PROJECT APPROACH

The Geosyntec Team is specially qualified for this project, with our history of successful work with transfer stations; our team's background with permitting agencies that will review the development; and our unique insights on the needs, scope, and background of the project.

Our team has experience with the design and permitting of the three most recent Florida transfer station developments, which provides added value to the City.

The City currently delivers about 60,000 tons of refuse annually to the Central County Solid Waste Disposal Complex (CCSWDC) operated by Sarasota County and recycling to the County-owned South County Transfer Station for transfer to the Single Stream Recyclers (SSR) MRF. The Sarasota landfill is approximately 24 miles from the North Port city centroid, which requires significant non-productive travel time for the City's residential and commercial collection vehicles. The South County Transfer Station is 17.7 miles from the centroid, while the distance to the RMPF is 41.9 miles. At the current time, the City is interested in developing a transfer station within City limits. A locally sited transfer station could improve collection productivity for all City routes by reducing non-productive time and may obtain access to lower cost disposal and/or recyclables processing compared to the City's current disposal and transfer facilities.

The City is interested in developing a transfer station within city limits. A more centrally located transfer station could improve collection productivity for all City routes by reducing nonproductive time and could reduce the cost of disposal and recyclables processing.

Design Concept

The City is proposing a transfer station to include the following:

- Compactor/conveyor/automation system for transfer of waste
- Heavy-duty access roads for incoming and outgoing trucks
- Scale house for weighing incoming and outgoing municipal solid waste or materials
- Transfer station building constructed on an elevated earth foundation
- Concrete tipping floor within the building for vehicle unloading
- Interior concrete containment walls for temporary storage of waste
- Tractor trailer drive-through tunnels for loading
- Parking areas for employees, visitors, and transfer vehicles
- Yard wase and bulk waste drop-off facility
- Buffer area for open space, landscaping, trees, berms, and walls that reduce impacts on neighbors
- Generator power
- Holding area for inspecting incoming loads and holding inappropriate waste loads or materials for removal

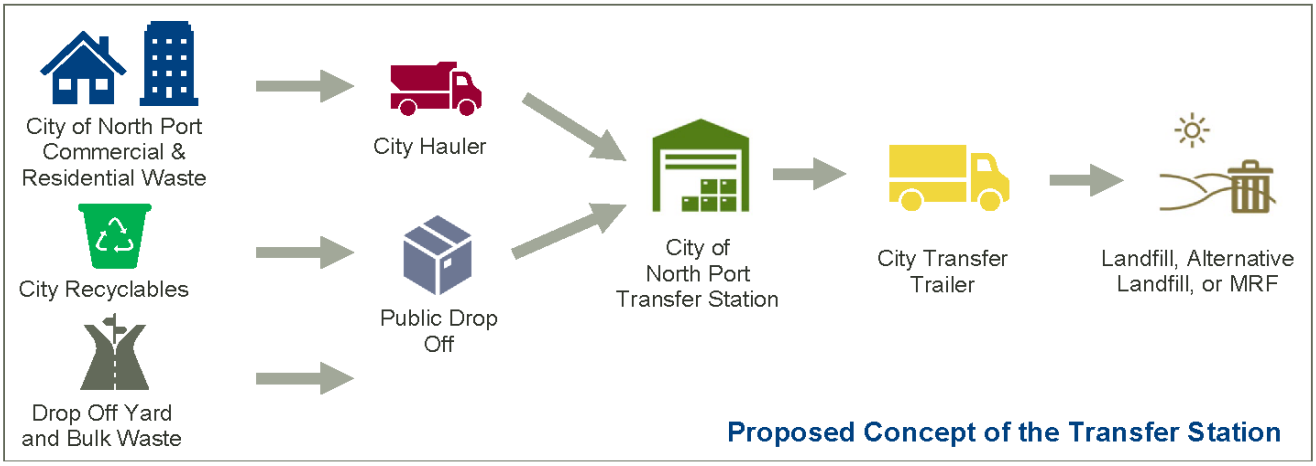
Approach to Scope

The goal of this project is to complete the design and permit documents required to develop the facility in a timely and cost-effective manner. To accomplish this goal, the Geosyntec Team will draw on our considerable experience in the design and permitting of transfer stations (as described in detail within the "Relevant Experience" section). **The following section shows our Team's innovative approach to the project, including the schedule and work, as well as our hands-on work with various City stakeholders.**

The following must be done to develop the proposed transfer station:

- After the proposed property is selected, up to three conceptual site layouts will be developed to illustrate alternative options for the City's consideration and approval. These layouts will show the transfer station, scale facility, access roads, parking areas, and stormwater management pond.
- An environmental assessment of the property will be conducted to identify any wetland, protected species, or habitat that might impact potential development of the project.
- Technical support will be provided to the City for rezoning of the property (as applicable).
- A pre-application meeting will be held with the Florida Department of Environmental Protection (FDEP) Southwest District.
- A geotechnical investigation of the proposed site will be conducted.
- A detailed design of the transfer station and scale facility will be prepared, which will include architectural, foundation, pavement, structural, mechanical, electrical, plumbing, and fire suppression design.
- A site civil design, including grading and access roads, will be prepared.
- The leachate management system will be connected to City wastewater infrastructure.
- Environmental permitting, including FDEP Solid Waste Transfer Station Permitting and FDEP Environmental Resource Permitting (i.e., stormwater permitting), will be obtained.

The following illustrative scope for the transfer station project is provided in the following sections.



Proposed Concept of the Transfer Station

Proposed Scope

As outlined on the following pages, Geosyntec's approach involves four key tasks to achieve the scope of work:

Task 1: Existing Conditions Surveys (Topographic, Boundary and Ecological)

The Geosyntec Team will subcontract a licensed Florida surveyor to provide an existing-conditions topographic and tree survey of the project area, as well as a property boundary survey for the proposed site once it is selected. Geosyntec will visit the site to observe the existing site conditions and characteristics. During the visit, the topography of the project area will be recorded along with any other notable project features, such as wetland limits and existing utilities. This survey will be incorporated into the engineering drawings for the project.

Once the City has selected the site, we propose that an environmental assessment report be completed including a habitat assessment and general wildlife survey. A wetland delineation should be conducted in accordance with the *Florida Wetlands Delineation Manual* (Chapter 62-340 of the Florida Administrative Code [FAC]). The wetland delineation should be suitable for submittal to the FDEP and in accordance with the U.S. Army Corps of Engineers (USACE) 1987 *Wetlands Delineation Manual,* 2010 Supplement. The wetland limits should be flagged in the field and the flag locations collected with a global position system (GPS) device with submeter accuracy. The wetland limits will be shown on an aerial map and incorporated into engineering drawings for the project. The Team will attend a site visit with FDEP to formally review and approve the jurisdictional lines.

TESTIMONIALS

"Geosyntec provided the City of Lakeland with a comprehensive design and permitting plan with qualified partners for our transfer station project with a realistic timeline."

- Gene Ginn, MPA
Solid Waste Manager
Public Works Department,
Solid Waste and Recycling

Task 2: Site Geotechnical Investigation

A geotechnical investigation of the site will be done, and a geotechnical investigation report will be prepared and submitted to the FDEP with the transfer station permit application. Based on our experience with similar sites, the Team estimates that six standard penetration test (SPT) borings and five hand-auger borings will be performed.

Task 2 includes the following geotechnical investigation items:

1) Staking of proposed soil boring and hand auger locations
2) Coordination with drilling subcontractor to advance up to five borings with SPT to a depth of 30 feet below ground surface (bgs) and one boring with SPT to 50 feet bgs
3) Oversight of drilling activities, assumed to take up to 2 days to complete the field work
4) Completion of up to four hand-augered borings and field classification of soils collected to depths of 5 feet bgs
5) Procurement of a geotechnical laboratory to perform up to two soil classification tests
6) A survey of potable water wells within 500 feet of the site
7) Estimation of a seasonal high water table elevation
8) Completion of one double-ring infiltrometer test within the footprint of the proposed stormwater pond.

The geotechnical investigation will be limited to obtaining information needed for structural design of the facility (i.e., for structural fill, foundation, and slab-on-grade design considerations). The final laboratory testing program will depend upon the soils encountered during drilling. If clays are encountered, consolidation testing will be performed. We will obtain two samples (one sand and one clay). Required tests will include moisture content; Atterberg (for fine-grained soils); and grain size distribution, organic content, and consolidation.

This information collected in the geotechnical investigation will be incorporated into a geotechnical report for the project. The report will include a review of the data obtained, including (i) a description of soil conditions; (ii) stratigraphy and laboratory test data; (iii) geotechnical analyses, including bearing capacity and settlement analyses for the elevated earth embankment and building; and (iv) recommendations for the type and design of the foundation for the building.

Task 2 does not include detailed foundation design, which cannot be undertaken without input from the pre-engineered metal building manufacturer.

Task 3: Transfer Station Design, Engineering and Architectural Services

The transfer station design requirements for Task 3 are subdivided into preparation of a conceptual site layout followed by detailed site development and building design. The conceptual site layout will approximate the size of the transfer station building and orient the transfer station on the site to allow for ingress and egress from public roads, proper truck queuing and access to the inbound and outbound scales, access roads within the site that provide proper curve radii and lane widths for heavy truck traffic to the tipping floor and loading bays, and parking for tractor trailers. Because finding a perfect site is unlikely, there are often a number of competing issues with regard to site aesthetics, setback from neighboring properties, and operational needs. Therefore, we expect to develop up to three conceptual site layouts that will help the City identify the one that best satisfies the various stakeholder desires for the facility. Once the conceptual site plan is agreed upon, the detailed design can begin.

Detailed site development will be completed by Geosyntec and includes site grading, stormwater management, access road and other paved area design, and leachate transmission from the transfer building to the public sewer. Proposed elevations for the tipping floor and loading bays will be based on surrounding grades and the need to tie into internal and public roads.

Design work for the transfer building will be performed by Geosyntec's subconsultants. Geosyntec anticipates using Howard for architecture, Wekiva for structural engineering, and EMI for mechanical, electrical, and plumbing design. **Each of these three firms has expertise in industrial design, if not in the design of transfer stations specifically.**

We expect that the final permit-level drawing set will include between 50 and 70 total drawing sheets, broken down into the following categories:

- Site Civil Drawings: **10 to 15 sheets**
- Architectural Drawings: **20 to 30 sheets**
- Building Structural Drawings: **15 to 20 sheets**
- Electrical and Utility Drawings: **25 to 40 sheets**
- Erosion and Sediment Control Drawings: **5 to 8 sheets**

The project will require many drawings in part because three buildings will be constructed (waste transfer, container maintenance, and scale house), and architectural, structural, and mechanical/electrical elements are required for each.

Design documents for the permitting of the transfer station will include the following:

1) An existing-conditions plan and a proposed drainage plan that shows the plan view of the proposed site development and stormwater improvements, along with applicable cross sections of the stormwater detention areas and drainage features. An erosion and sediment control plan will be developed to show silt fence and turbidity curtain (if needed) along the project boundary and will provide any required details.

2) A pre-engineered metal building between 12,000 to 20,000 square feet for the transfer station. The size of the transfer station building will be decided during the conceptual site plan development and will be based on input from the City, including construction budget and long-term needs. The tipping floor for the transfer station will incorporate high-strength, steel-fiber-reinforced concrete to improve durability against abrasion and reinforced concrete push walls to protect the building and provide stacking for temporary waste storage on the tipping floor. Note that no employee facilities have been assumed in the transfer building as they will be located within a separate administrative building (described below).
3) At least one transfer trailer loading bay that allows two trucks to be loaded nose-to-tail simultaneously. The loading bay will be equipped with pit scales to support loading transfer trailers to legal weight limits. Debris protection will be installed to protect tractor trailer cabs from damage during loading.
4) Sprinkler system and mechanical ventilation. Ventilation will be designed to reduce dust and vent potential odors away from nearby properties. If the existing water service is not adequate for the new building, it is assumed that the City will facilitate line extensions to the site with appropriate capacity, which would likely be less expensive than the installation of a water well and large storage tank for fire suppression. If it is not feasible to extend City water, we will prepare an additional budget option to address the water well and storage tank required for fire suppression.
5) Development of a leachate collection system. A leachate sump will be used to collect leachate from the tipping floor and loading bays. The leachate collection system will drain via gravity to a lift station that will pump leachate to a sewer connection. The leachate collection system will be designed with integral trash and grit removal, which will the readily accessible to support maintenance. Geosyntec understands that no sewer connections currently exist at the site. We assume that the City will extend sewer lines to the site to facilitate connections to the leachate collection system. If it is not feasible to extend the sewer lines, Geosyntec will design a leachate storage and loadout system so that leachate can be trucked for treatment.
6) A concrete-block (i.e., not prefabricated or modular) employee facility of approximately 1,200 square feet that includes an office, restrooms, and a break room. The size of the building will be decided during a kickoff meeting and will be based on input from the City, including construction budget and long-term needs. Geosyntec recommends keeping employee facilities separate from the transfer station to avoid the noise and dust that are prevalent at the transfer building. We also recommend avoiding a modular building because, in our experience, these facilities have a limited service life and require significant maintenance.
7) A scale facility that includes a concrete-block scale house that is approximately 300 square feet and includes a scale master workstation and restroom. The scale facility will include a layout for two 60-foot-long scales (one inbound and one outbound). We will coordinate with the City to design the facility to allow for efficient processing of incoming and outgoing truck traffic based on expected volumes and types of customers.
8) Extension of the existing electric service from the public right-of-way. We assume that the City will work internally with Lakeland Electric to extend electric supply to the site.

9) Design of a stormwater management pond. A stormwater management pond, sized per City and Florida state requirements, will be located to manage runoff for the completed facility. Note that several smaller ponds may be used instead of one larger pond depending on the final layout of the facility.

The Team assumes a total of four meetings with the City for this task. Except for the kickoff meeting, meetings are assumed to be held via Microsoft Teams. Additionally, the Team assumes weekly communication with subcontractors regarding design and deliverables.

Task 4: Facility Permitting Support

In Task 4, Geosyntec will prepare permit submittals required for the transfer station. The following permitting is included in the scope of work:

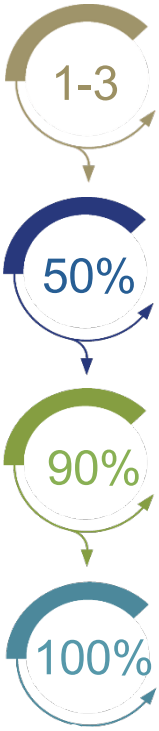
FDEP Application to Construct, Operate, or Modify a Waste Processing Facility. Under Florida law, waste-processing facilities shall be permitted pursuant to Section 403.707 of the Florida Statutes (FS) and in accordance with FAC Rules 62-701.320 and 62-701.710. Geosyntec will prepare and submit the permit application package to FDEP, which will comply with the requirements of FS and FAC. As such, the application package will include the design plans and specifications prepared under Task 3, a site plan, engineering report, operation plan, closure plan, and any other required forms and background documentation. An FDEP fee of $2,000 should be considered in budget development.

Environmental Resource Permit (ERP). Geosyntec will prepare and submit the required ERP permit application package for stormwater to FDEP. A preapplication meeting will be held with FDEP Southwest District to discuss the project details and intent. After the preapplication meeting and engineering plans are complete, Geosyntec will electronically submit the permit application and engineering plans to FDEP for review and approval. The ERP application fee of $1,500 will be considered in budget development. An additional site could be necessary if an FDEP representative requests a site visit. In addition, Geosyntec assumes one response to comments from FDEP for the ERP application. Because the FDEP comments are not yet known, the level of effort to respond to comments is also unknown.

Local Building Permits. Because pre-engineered metal buildings will be used, final submittals for building permits will be made by the Contractor after the detailed structural design submittal is prepared by the pre-engineered metal building manufacturer. It is assumed that this submittal will be bundled with the site development and building design drawings prepared by Geosyntec and its subconsultants. Support for obtaining local building permits, including response to building permit review comments, will be made by the appropriate subconsultant design firm. In addition, we assume that public hearings will not be required for the project.

Geosyntec will prepare and submit the permit application package to FDEP, which will comply with the requirements of FS and FAC.

Proposed Deliverables for the Project



Conceptual site plan. Up to three conceptual site layouts will be developed. The layouts will use available satellite or aerial imagery as a background and include available data such as approximate property boundaries, potential wetland locations, or other data from tax maps and soil surveys. The layouts will consist of a single plan sheet that illustrates the proposed buildings, access roads, parking areas, and stormwater ponds in plan view. No site grading will be shown.

The site civil and building design will be prepared at the 50 percent, 90 percent, and final design stages. For the 50 percent design, we anticipate that the design will include a site layout showing traffic patterns and limits of paving, grading plans, building layout and elevations, and utilities layout. The table of contents for technical specifications will also be prepared. At this stage, we will coordinate with the City on remaining preferences or development details such as pavement cross section, armor plating, and leachate management.

For the 90 percent design, the design will be developed further to include a detailed architectural, structural, and mechanical/electrical design, a stormwater management plan, and detailed specifications. In addition, permit submittals for FDEP will be prepared. Finally, an engineer's cost estimate will be prepared for the City. Once we have received comments from the City on the 90 percent design, submittals will be made to FDEP to initiate permitting.

For the final design stage, all components listed above will be complete and ready for submission to regulatory agencies for review. Geosyntec will provide one hard copy each of the final permit application to the City and FDEP. An electronic copy of the submittal package will also be provided to the City and FDEP.

Project Management Techniques, Controls, Program and Technologies to be Employed to Meet Project Schedule and Budget Requirements.

Management Techniques and Controls

Geosyntec has a firm-wide quality control program, which includes quality implementation plans (QIPs) that provide project managers the tools to tailor a project-specific plan. The QIP and subsequent project quality plan help to define the roles and responsibilities for engineering calculations, drawings, and quality and content requirements for various levels of completion and certification requirements.

Our approach is to define and document the components of our quality and safety management systems accurately; plan and control work effectively; and seek feedback on work processes, products, and services in a continuous cycle of quality improvement.

Geosyntec's **technical expertise and innovation allow us to anticipate emerging issues** within the solid waste management industry and deliver targeted, effective solutions.

Geosyntec is committed to quality control principles and practices for project management; project planning and work plan preparation; health and safety planning and management; information and data collection; data management, interpretation, and use; analytical and numerical modeling and analysis; study design and implementation; engineering design; preparation of plans and specifications; construction oversight; systems startup and operations; and work product preparation and reporting.

Our Project Management Team has the experience to effectively manage large teams and large projects involving multiple stakeholders with highly matrixed organizations; control costs; meet schedule milestones; and, ultimately, meet the City's satisfaction.

Geosyntec's Project Manager and key personnel will monitor schedule performance with Microsoft Project or equivalent software by establishing the following project baselines:

- Task and Subtask Timelines
- Milestone Events (e.g., Deliverables, Receipt of Approvals)
- Critical Path for Achieving Milestones and the Project Endpoint.

Our commitment to proactive management allows corrective action before there are impacts to schedules, budgets, or relationships.

Our strategy that keeps projects on schedule and on budget includes the following:

- Active, easy communication
- Accurate and accountable scheduling and cost controls
- Effective reporting and tracking mechanisms

Once an executed task order is received, the project manager and the appropriate task managers and project staff will conduct a kickoff meeting with the City to review project scope, budget, schedule; file transfer information; and establish administrative procedures, including lines of communication, schedules, contacts, and priority issues. Geosyntec's success in meeting project schedules and controlling costs is attributed in part to the strength and flexibility of our standard project management procedures.

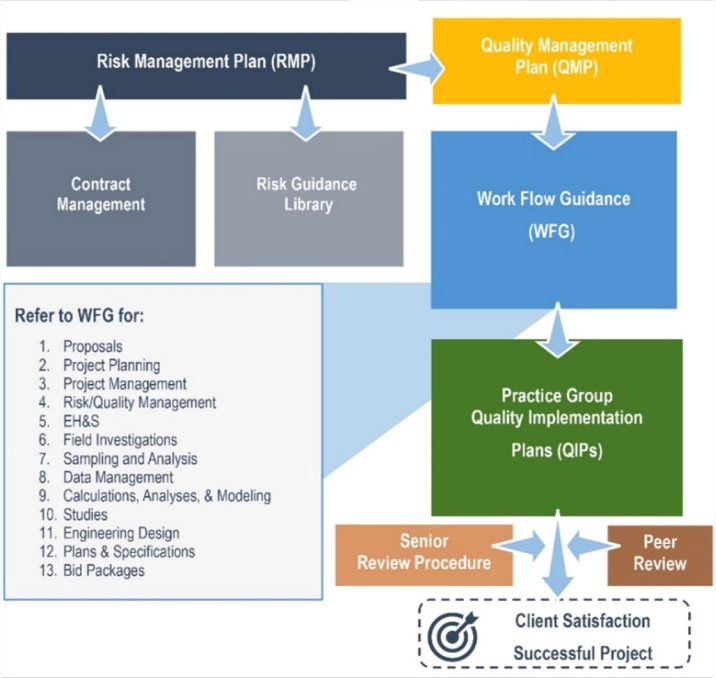
Proactive communication between Geosyntec and the City is key when the scope of work changes during project planning or design. When out-of-scope work appears necessary or is requested by the City, the project manager and task managers will first discuss internally to confirm the extent and significance of the work. The project manager will then reach out to the City to seek confirmation and agreement on the out-of-scope work and decide on a way to achieve project objectives. Solutions may include determining that the out-of-scope work is not essential to the project and will not be completed; other tasks may be reduced or eliminated to accommodate the additional work within the original budget; or scope and budget may be added to the project through a contract amendment.

Quality Assurance and Control Program

Geosyntec has an internal quality assurance and quality control program that will be used on all task orders. The goal of Geosyntec's quality assurance program is to achieve the highest possible quality of performance permitted by operational constraints. This goal has three subgoals: attain professional and technical excellence; assess and contain operational risk to clients, to the corporation, and to the employees; and ensure that corrective actions are appropriate, prompt, and effective.

Before the project begins, at the project planning and data collection stage, the Geosyntec project manager will develop a project-specific quality management plan (QMP), using Geosyntec's existing plan templates. As part of the firm's QMP, Geosyntec has developed a QIP which provides project planning points to assist PMs in the initial planning phases of each project. An attachment to the QIP provides specific planning points for engineering

calculations, drawings, and cost proposals. These planning tools provide resources that describe how to formulate a project kickoff meeting agenda, define the purpose for a set of calculations, define the calculation methods (including design criteria and assumptions), format calculations, present a summary of results, and achieve appropriate certification.



The Project Team is committed to Quality Control principles and practices for activities involving:

- Project Management
- Project Planning
- Work Plan Preparation
- Health and Safety Planning and Management

Our systematic approach to Quality Assurance and Quality Control delivers a technically sound, legally defensible manner that produces results of known and documented quality.

For the design tasks, every set of calculations and report document must be reviewed by a peer. After the peer review process, the package undergoes review by a senior manager—typically an assigned professional engineer or geologist. Consistent with Geosyntec's QMP, all project reviews are documented within the project record. This quality control process minimizes errors and omissions in our deliverables. This will also be used to double-check deliverables submitted by subconsultants.

For drawings, the planning points cover aspects such as organization of the drawing set, content for drawings, adherence to Geosyntec CAD standards, presentation of notes, quality/content requirements for various levels of completion, and certification requirements. The QIP also provides guidance for preparation of reports, letters, specifications, and other work products.

Technologies Employed

Geosyntec uses familiar technology to provide services efficiently, effectively, and seamlessly. Electronic communication is used and monitored daily via computers, tablets, smart phones, and cell phones to promote responsiveness by all team members. Digital file sharing occurs via file transfer protocol (FTP) and cloud-based storage systems such as OneDrive, which allow file access wherever there is an Internet connection.

Geosyntec uses widely available technology to communicate and transfer information between our offices and clients. We can quickly and efficiently set up virtual conferences, transmit documents and renderings, and reduce costs by working remotely wherever possible over the course of a project. In this way, we can communicate effectively and economically regardless of location. For this project, Geosyntec will establish and maintain a cloud-based site where electronic files can be shared.

Assignment of Personnel to Provide the Most Efficient Service

Our proposed **Project Manager and leader for Geosyntec's services, Marc Rogoff, PhD**, has more than 40 years of experience in solid waste design services, understands the requirements of the project, and can bring his expansive expertise to help identify the long-term infrastructure that best meets the City needs. He also has experience in managing civil design and construction projects, **particularly seven transfer station projects in Florida over his career.**

Our proposed **Assistant Project Manager and Task Manager for Permitting, Sarah Gustitus-Graham, PhD, PE**, will also support the completion of all elements of this project. She has experience in managing large teams within Geosyntec as well as multiple subconsultants. **Her experience includes working with an entire project team on permitting and compliance for two transfer stations and several landfills in Florida.**

Our proposed **Project Director and Task Manager for the Transfer Station Design, Tom Ramsey, PE,** will provide senior review of all Geosyntec deliverables and ensure that necessary resources are made available for the project. Tom is a registered Professional Engineer in the State of Florida and has more than 30 years of experience in solid waste facility design, including design experience at **20 transfer stations**.

Our proposed **Quality Control Reviewer, Craig Browne, PE,** will review all Geosyntec deliverables and ensure that necessary resources are made available for the project. A Florida-registered professional engineer, Craig is the Geotechnical and Geo-environmental Department Manager for Geosyntec's Tampa office. He has more than 21 years of experience, including more than 10 years of project management expertise for several multimillion-dollar solid waste projects. In recent years he has worked on three renewal applications for transfer stations in Miami Dade, Pinellas, and Hillsborough Counties.

Key Geosyntec Members of the Project Team

The following Geosyntec Team members are key assets for the project.

Todd Anderson, PE | Task Manager: Existing Conditions

Todd Anderson is a registered professional engineer in Florida and is the proposed Task Manager for Existing Conditions. **Todd has extensive experience with site investigations in the Tampa Bay region, including recent work in sinkhole identification and mitigation in Hillsborough County.** This experience will be indispensable when completing the task for Existing Conditions.

Samir Ahmed, PE | Task Manager: Hydrological and Geotechnical Investigations

Samir Ahmed is a Florida-registered professional engineer with 7 years of experience in the field of geotechnical and geoenvironmental engineering. He will serve as Task Manager for Hydrological and Geotechnical Investigations**. He has expertise in foundation design and geotechnical site characterization. Samir has also led or supported several operation and permitting projects for solid waste disposal facilities across the state** and most recently served as the project manager for **transfer station renewal applications in Miami Dade County and Pinellas County.**

Key Members of Subcontractor Team

The following Team members are key resources from our subcontractors, all of whom have registrations in Florida.

Harry Howard, AIA, Howard and Associates | Architectural Engineering

Harry Howard is the founder and president of Howard and Associates, Architects, P.A., and he has led the firm since its inception in 1991. Harry is a native of Pinellas County and grew up in Clearwater, Florida. He has 41 years of experience with diverse government, corporate, educational, commercial, aviation, medical, industrial, and residential design projects. He has considerable **design experience from two recent transfer stations in Tampa Bay** (**McKay Bay and Northwest Hillsborough) and sanitation department buildings (fleet maintenance).**

John Sobczak, PE, Wekiva Engineering, LLC. | Structural Engineering

John Sobczak has 18 years of experience working in the solid waste industry. **His experience encompasses both structural and geotechnical engineering and focuses on the inspection, analysis, modeling, and design of environmental and municipal structures.** He is also experienced in computer-aided design software such as RISA, Robot, Visual Slope, and Revit. John is well versed in the requirements for the preparation of structural design calculations and high-quality contract documents for solid waste facilities and the industrial structures and buildings at those facilities. He served as the Structural Engineer of Record for **the City of Clearwater Transfer Station Replacement Project**.

Pete Hoanshelt, PE, EMI | Mechanical, Electrical, and Plumbing Design

Pete Hoanshelt is highly qualified in electrical and instrumentation control engineering, with specific expertise in the water and wastewater industry. He can engineer and design an electrical power distribution and lighting system for both low- and medium-voltage systems. His abilities in electrical machines and variable speed drives provide the basis for his energy management studies. **He is an expert in mechanical, electrical, and plumbing design for solid waste transfer stations.** His expertise in instrumentation and controls includes computer-based data acquisition systems, programmable logic controls, analog loop and discrete conventional control systems, and flow and analytical meter evaluation and selection.

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Where Elements of the Work Will Be Performed and Who in the Organizational Chart Will Oversee Performance of the Work

We are proud that many of our existing clients, especially North Port's neighboring communities, repeatedly do business with us and place their trust in our ability to continually deliver. Geosyntec is headquartered in Boca Raton and has more than 220 Florida-based staff members in 11 offices, as shown below.

The contract will be **administered and managed out of the Tampa office** under the supervision of:

Marc J. Rogoff, PhD, Project Manager
12802 Tampa Oaks Blvd., Suite 151, Tampa, Florida 33637
Phone: 813-810-5547

Based on currently contracted work and future projections, we will have available capacity for the term of the contract. Project Manager, **Marc Rogoff, PhD, is committed to the success of the project and will dedicate up to approximately 75% of his time to the contract,** with full-time attention as needed.

Detailed Information Explaining How Location of the Firm, Key Personnel, and Subcontractors will Affect the Project

All elements of Geosyntec work under this contract will be performed from Geosyntec's Tampa Office location, just a short drive from the desired site.

The Team understands the critical importance of being able to mobilize staff expeditiously. Geosyntec's Project Team (including subconsultants) have adequate available staffing to complete the services on schedule, as demonstrated in the table below. We also have qualified backup staffing capacity and a project execution plan with detailed work breakdown structure in place, which can be used in the event of unforeseen circumstances. We closely manage our workload to ensure that committed project goals are met without exception and this level of effort will be emulated for all the work performed.

Company	Key Staff	Role	Projected Availability
Geosyntec consultants	**Marc Rogoff, PhD**	Project Manager	75%
	Tom Ramsey, PE	Project Director and Transfer Station Design	70%
	Sarah Gustitus-Graham, PhD, PE	Assistant Project Manager and Permitting	50%
	Craig Browne, PE	Quality Control Reviewer	50%
	Todd Anderson, PE	Existing Conditions	50%
	Samir Ahmed, PE	Hydrological and Geotechnical Investigations	50%
	Harry Howard, AIA	Architectural Design	70%
EMI	**EMI Consulting Specialties**	Mechanical, Electrical and Plumbing Design	70%
WE WEKIVA	**Wekiva Engineering**	Structural Engineering	70%

Impact of any Physical Distance Will Be Mitigated with Technology, Processes, or Other Means

As described earlier in our approach section, Geosyntec employs as part of our quality assurance and quality control program several compatible digital technologies and processes that will reduce the impact of physical distance. However, because Geosyntec and our neighboring subcontractors are all a short drive from the site, we expect that that impact will be insignificant.

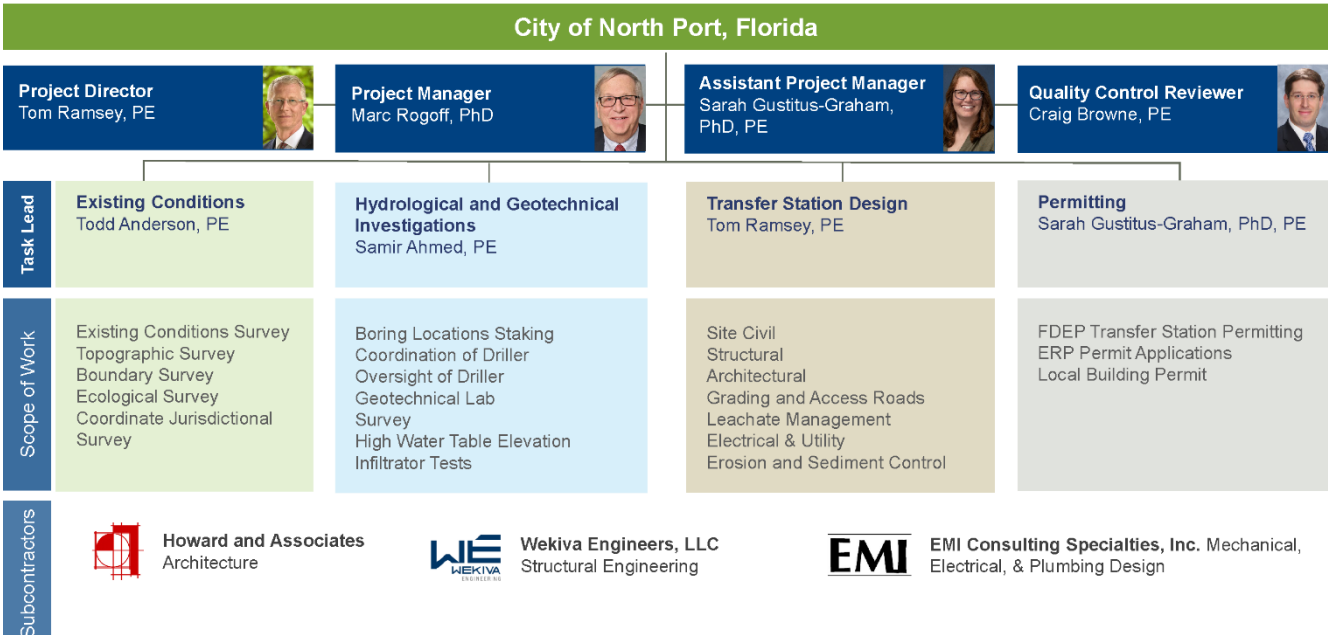
Subconsultant Management

Because Geosyntec's subconsultants will be employed for structural engineering, electrical engineering, underwater inspections, and geotechnical engineering, as well as possible survey and ecological aspects, coordination will be key. Geosyntec will apply our internal quality assurance and quality control process on top of each subconsultant's individual process to enhance the quality of final deliverable submittals.

Geosyntec will facilitate smooth interfacing with our subconsultants through careful planning, clear communication of requirements, timely monitoring of deliverables, and regular reviews of financial and performance data.

Organizational Chart Delineating Personnel Assigned to the Project

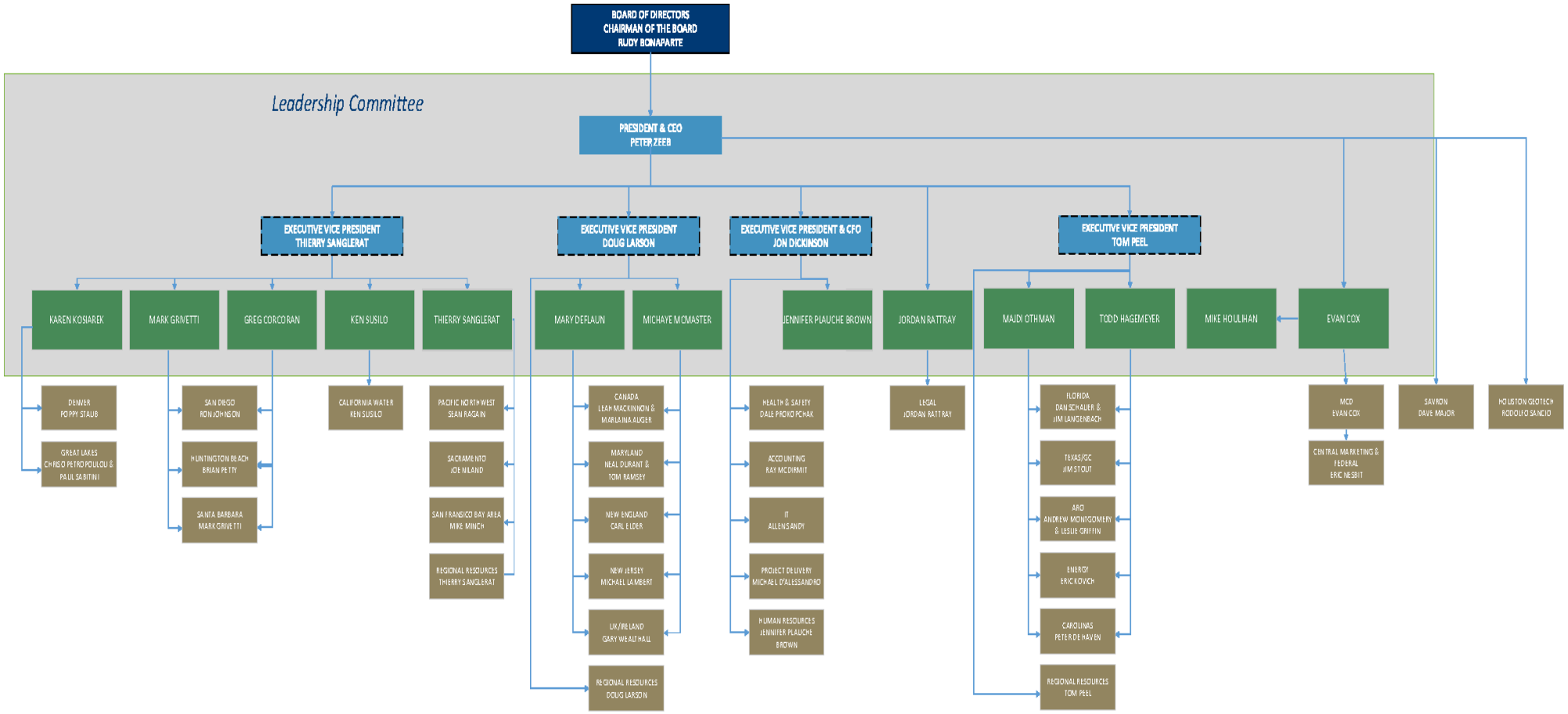
Many of our proposed Geosyntec Team members have worked on projects similar to the proposed transfer station project. **We have organized the structure of the Team to promote the efficiency of the project and the effective management of our approach.** The organizational chart shown below summarizes our key Task Leaders and subcontractors, as well as the scope of work for each of the main tasks.



Organizational Chart Showing the Corporate Management Structure of the Proposer

The corporate organizational chart shown on the following page summarizes our leadership and operational structure as required in the RFP.

Organizational Chart Showing the Corporate Management Structure



Provide a Graphical Representation of the Proposed Schedule/Timeline Indicating Major Milestones and Deliverables.

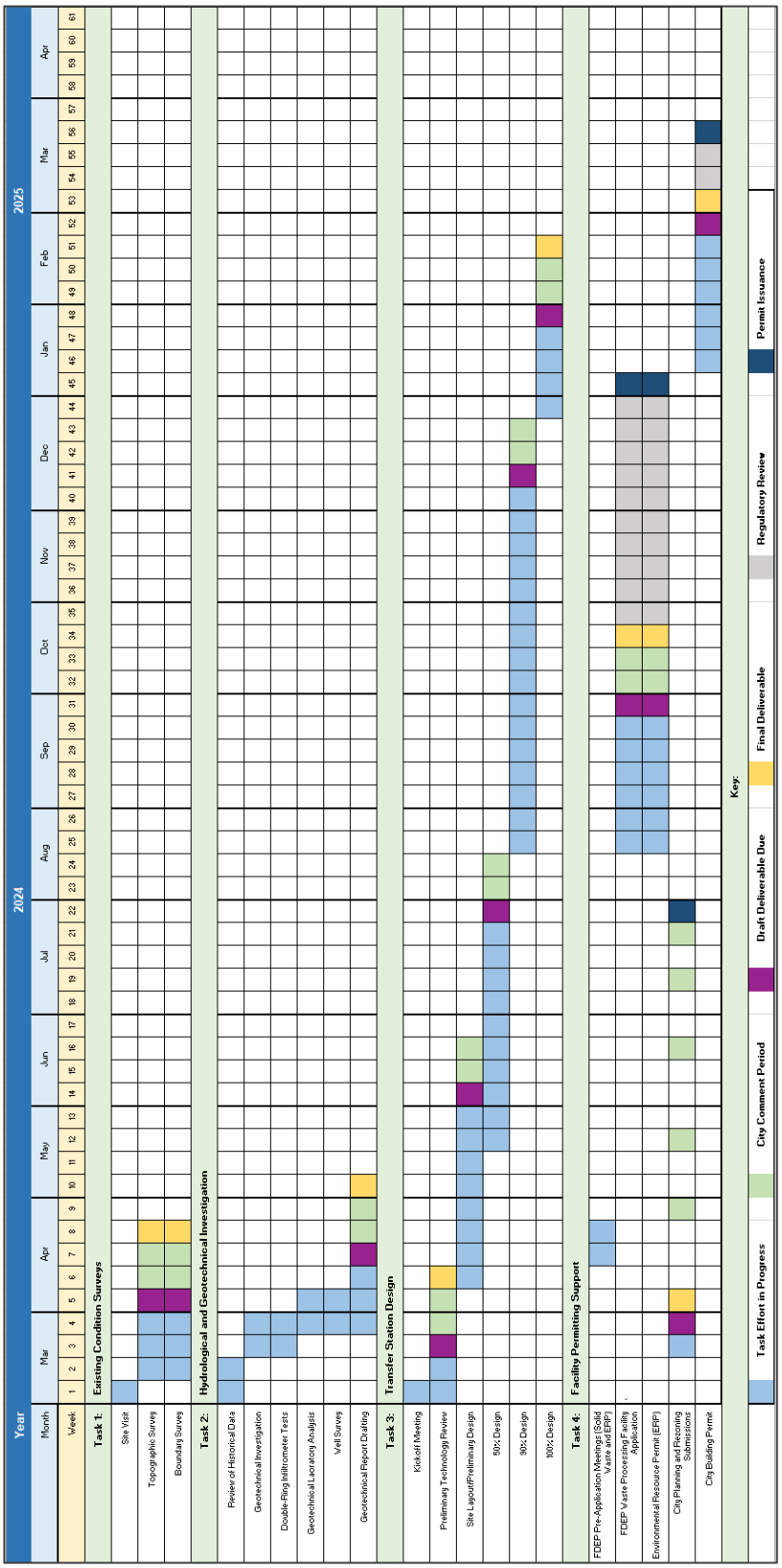
The preliminary schedule for the project that is provided on the following pages demonstrates our ability to work cooperatively with multiple stakeholders on this assignment.

Geosyntec cannot control the time required for permitting, which represents the greatest uncertainty in the project schedule. However, we are committed to working expeditiously on tasks and timelines under our control to facilitate timely submittals to FDEP.

- Conceptual Site Layout
  - ☑ 4 weeks from notice to proceed
- Surveys and Geotechnical Investigation
  - ☑ 4 weeks from notice to proceed
- Prepare 50% Design Submittal
  - ☑ 10 weeks from completion of surveys and hydrological and geotechnical investigation
- Prepare 90% Design Submittal
  - ☑ 4 months from receipt of comments to 50% Submittal
- Prepare 100% Design Submittal
  - ☑ 4 weeks from receipt of comments to 90% Submittal
- FDEP and City Permitting
  - ☑ 3 months from 100% Design Submittal

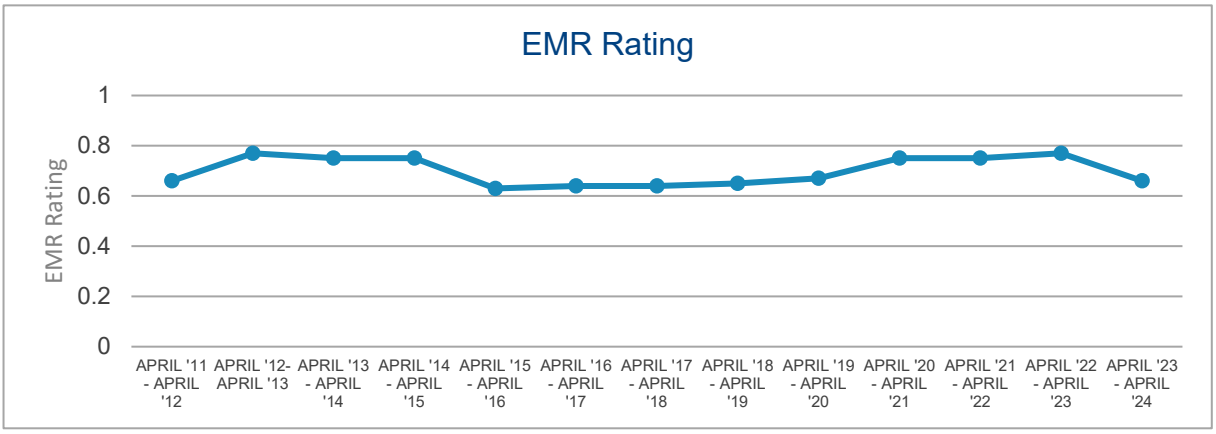
As shown, we expect that the project will require approximately 12 months before the City can prepare bid documents and solicit bids for construction of the facility.

TAB 2 - DOCUMENTS



Additional Information

Geosyntec Emphasis on Health & Safety



Geosyntec has developed a robust internal health and safety program with procedures and protocols that allow our staff to effectively assess and manage project risks from start to finish. Our goal is to continue fostering a culture of behavior-based safety. Our Experience Modification Rate (EMR) record for our employees in the United States is below the industry average of 1.0 for consulting and engineering firms, as shown in the chart below.

For every project we perform, we require a complete site-specific health and safety plan (HASP) or a task hazard analysis (THA) if an individual task will be performed for the project. **The HASP we develop for the Cnstruction Engineering an Inspection (CEI) phase of this project will undergo a thorough review process to ensure that project hazards are clearly identified and mitigated before field work begins**. The HASP will be reviewed and approved by the Project Manager, Health and Safety Manager, project staff, and subcontractors. Our review process also includes subject matter experts to address specialized project hazards, when appropriate.

All Geosyntec projects require daily “tailgate” safety briefings in which field personnel and subcontractors identify site hazards and discuss personal protective equipment requirements, work procedures, and other safety requirements for the project. All staff and subcontractors have “Stop Work Authority” and are empowered to use it when they observe unsafe conditions or acts. We conduct routine project safety audits and implement incident reporting and investigation procedures to identify near misses and unsafe work conditions and improve safety performance. Action items from audits and inspections are summarized and assigned with tangible tasks and assigned completion dates.

We support safe behavior and provide all employees with an organization that is open and supportive of safety concern reporting through our “Good Catch” program, a behavior-based safety program. We also reward those who show personal initiative in safety performance.

Our Health & Safety Mission

PLANNING AND ANALYSIS

Does a Transfer Station Make Sense for Your Community?

Preparing a cost benefit report to consider the benefits and drawbacks of developing a solid waste transfer station in Lakeland, FL.

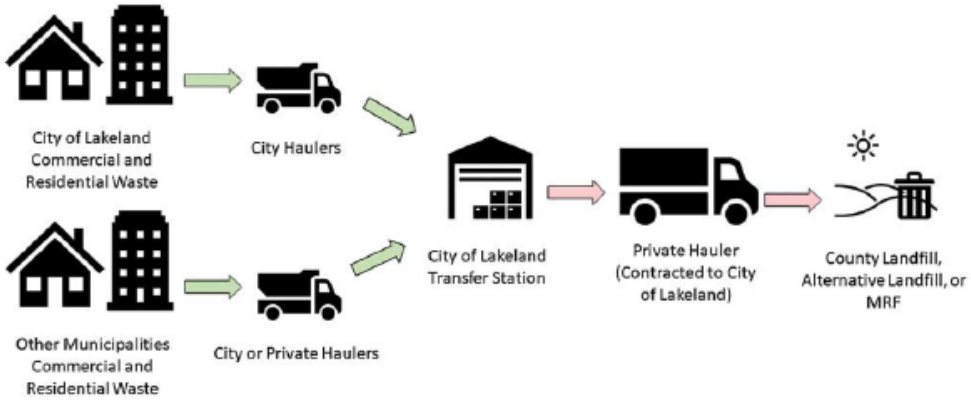
By Gene Ginn, Marc Rogoff, and Sarah Gustitus-Graham

THE CITY OF LAKELAND, FL CURRENTLY DISPOSES solid waste at the Polk County North Central Landfill. In recent years, traffic delays and unnecessary wear to trucks unloading at the landfill have resulted in service difficulties and cost overruns for residential solid waste collection provided by Lakeland. Continued growth of collection services within Lakeland could potentially worsen the issue in the future. **Figure 1** graphically shows the operational concept of the proposed station. At the Lakeland's request, Geosyntec Consultants, Inc. prepared a cost benefit report to consider the benefits and drawbacks of developing a solid waste transfer station in Lakeland. This article provides some guidance for other communities contemplating the development of a new transfer station.

Overview of the Effort

Initially, Geosyntec gathered and reviewed information, including types of waste collected, number of routes, weight of waste collected, average time traveling to and from the disposal site, and idle time waiting to unload at the landfill. In addition, financial information, including wages (straight and overtime), operations and maintenance costs, and disposal costs for the Lakeland collection system was provided.

Figure 1
Operational concept for proposed transfer station.



Images courtesy of Geosyntec Consultants.

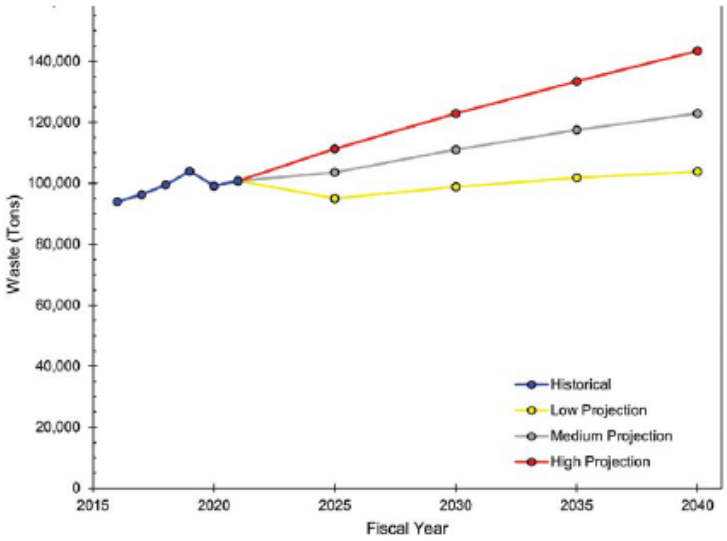
Thereafter, Geosyntec reviewed the existing sources and amounts of residential, commercial, and C&D waste streams that are managed within Lakeland and in nearby areas. This information was used to project future waste flows for the next 20 years (the design waste flow for the proposed transfer station) using available University of Florida Bureau of Economic and Business Research (BEBR) and City Department of Community and Economic Development population projections. As part of the waste flow review, Geosyntec also considered potential financial and operational requirements should third-party commercial or public entities also be allowed to use the proposed transfer station. From this review, a design capacity based on a probable flow of waste through the station was determined.

Based on the design capacity for the potential transfer station, Geosyntec developed concept-level estimates of construction and operating costs using data from similar Florida-based facilities. Using this information, a Pro Forma Model was developed, including four scenarios of varying costs and benefits that enable Lakeland to have preliminary, planning-level cost estimate. The Model projects annual costs to construct, operate, administer, and maintain the proposed transfer station, as well as provides a means for comparing alternative operational, institutional, and facility scenarios. Various assumptions are made regarding yearly solid waste quantities, demographic information, escalation factors for waste growth and costs, administration, personnel and utility costs, transportation costs, and landfill tipping fees. The costs of various programs and disposal options were estimated using published information on Lakeland's solid waste system, repair costs for damages at a disposal facility, Geosyntec's experience on other similar projects, input from the private solid waste industry, other published information, and planning-level cost estimates prepared by Geosyntec. This Model was also used to determine a proposed tipping fee for use of the transfer station.

Transfer Station Sizing

At the outset of the project, the Division expressed an interest in a transfer station sizing scenario that would cover an anticipated 20-year life as well as have the capacity to process the MSW, recyclables, and yard waste generated in the City, some of which are now direct hauled to disposal or processing facilities in the County or outside the County. For this feasibility study, we assumed the use of an "open-top" loading system through a lift and load method, which is by far the most common type of transfer station design in the U.S. By doing so, this option would provide future flexibility for Lakeland to find alternative disposal or processing facilities for the various materials it collects at lower cost.

Figure 2: MSW projections for sizing of transfer station.



MSW that has been accepted will be processed using heavy equipment, such as a front-end loader, to push the waste into the open trailers or segregate recovered materials for future loading. If mixed, recyclable materials will be amassed in separate stockpiles on the facility's tipping floor.

Typically, for smaller-sized stations, the lift and load method, using a front-end loader for compaction, is the most cost effective. The principal features of the open-top system include the following:

- Scalehouse for weighing incoming and outgoing MSW or materials
- Concrete tipping floor on an elevated earth embankment
- Temporary floor storage of waste
- A metal building and interior concrete containment walls
- Trailer drive-through tunnels for loading
- Front-end loader
- Parking areas for employees, visitors, and transfer vehicles
- Buffer area for open space, landscaping, trees, berms, and walls that reduce impacts on neighbors
- Holding area for inspecting incoming loads and holding inappropriate waste loads or materials for removal

The city has negotiated with Lakeland Electric to reuse a 12-acre site for the transfer station location near its Electric Power Plant, which is now being transitioned from a coal ash pile to a viable transfer station site.

Figure 2 illustrates the total annual tons of residential and commercial MSW, recyclables, and yard waste collected in Lakeland. Actual tonnage records are shown for 2017 to 2021 with projections based on population growth for 2025 through 2040 (low, medium, and high growth BEBR projections). Based on these projections, the Division would need a transfer station sized to a volume of 500 tons per day over the 20-year time period.

Generators Outside the City of Lakeland

To gain economies of scale for overall operating costs, the CBA recommended that Lakeland should consider allowing the transfer station to service other nearby municipalities or private waste haulers located near the City of Lakeland, which comprise the potential "wasteshed" for the proposed transfer station (see **Figure 3**). Should this project be deemed feasible by the Lakeland City Commission, more detailed discussions would be necessary, including Memorandums of Understanding, terms of proposed agreements, and tipping fees.

The Pro Forma Model

As noted previously, the Model assumes that the projected operating costs for the station includes processing, transportation to the landfill, and debt service. Geosyntec included potential financial benefits of the proposed station to include avoided vehicle repairs at the landfill, truck purchase deferral, collection system efficiencies (the difference of going directly to the station and then back onto route rather than the turnaround at landfill back onto route), and customer tipping fees (projected station operating costs at the outset) assessed from non-City of Lakeland users (other municipalities and private haulers). It was assumed that the additional collection efficiencies from the station would enable the Division to defer one collection vehicle and driver and maintenance every four years.

The Model enabled us to calculate a Base Case and two other financial scenarios showing the projected benefit cost ratios (BCR) over the anticipated 20-year life of the station (Years 1, 10, and 20). The BCR was used to summarize the overall relationship between the relative costs and benefits of the proposed transfer station project. If a project has a BCR greater than 1.0, the project is expected to deliver a positive net present value to Lakeland. Alternatively, if a project's BCR is less than 1.0, the project's costs outweigh the benefits, and it should not be considered. Ultimately, the BCR was greater than 1.0 by 10 years post-construction for all but one of the scenarios considered for this project.

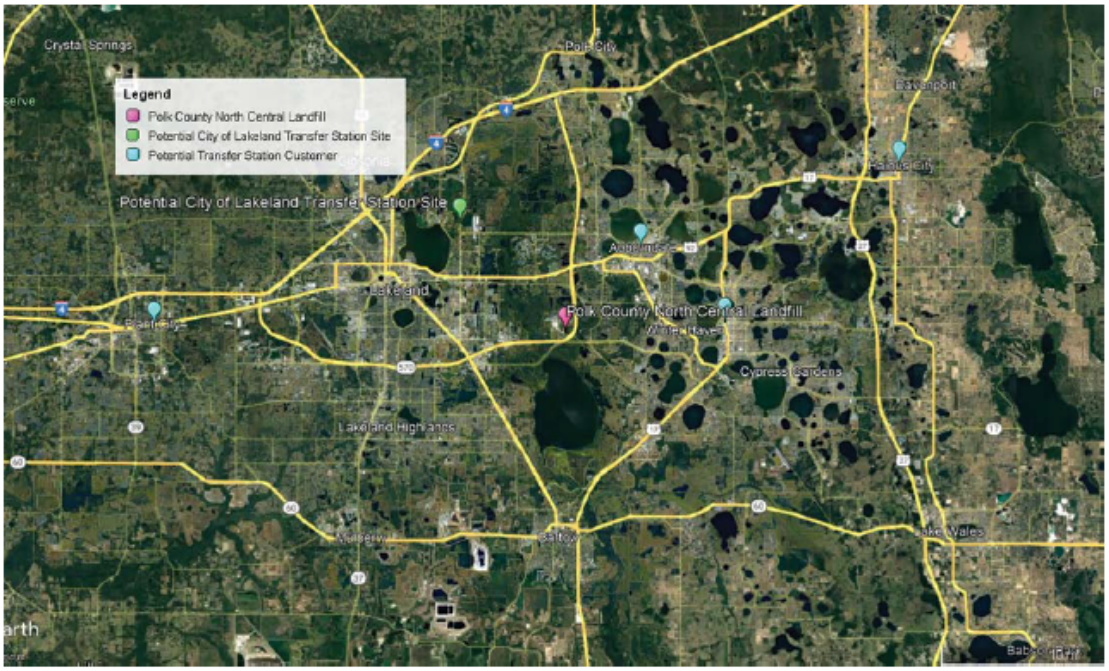


Figure 3: Projected "wasteshed" in Polk County potentially available to the transfer station.

Lessons Learned

Cost benefit analysis is the process of comparing the projected costs and benefits (or opportunities) to determine whether a project makes fiscal sense. If the projected benefits outweigh the costs, you could argue that the decision to execute the project is financially sound. This tool enabled city decision makers to evaluate the short- and long-term pros and cons of a major solid waste facility investment. Key lessons learned from this process include:

- *Added scenarios allow for optimizing profit.* Pro forma modeling assisted in evaluating the financial ramifications of various scenarios. For example, Geosyntec worked with the city to understand their different financing options and created models based on those choices.
- *Consider other potential users.* By considering scenarios with and without third-party haulers using the transfer station, we demonstrated that bringing in external hauling customers in the wasteshed (private or municipalities) could significantly increase the feasibility and profitability of the proposed transfer station.
- *Look internally for siting options.* Working with other city departments to find suitable city-owned parcels for the station removes several complications and unknowns out of the siting decision. Procuring city-owned land also improves the accuracy of projections when fluctuating land prices and the pressure of purchasing a suitable site do not have to be considered.

Status of Project

The study is currently under final review by the City Commission in April. Key stakeholders such as the City's Finance, Public Works, and Electric Department have been consulted and a financing plan has been developed for the project. The city expects to move forward on the design and permitting in the near future. | WA

Marc J. Rogoff, PhD, is a Senior Consultant with Geosyntec Consultant's Solid Waste Advisory Practice (Tampa, FL). He can be reached at (813) 810-5547 or e-mail mrogoff@geosyntec.com.

Gene Ginn, MPA, is the Solid Waste Manager for the Public Works Department in the City of Lakeland, FL. He can be reached at (863) 834-8777 or e-mail Gene.Ginn@lakelandgov.net.

Sarah Gustitus-Graham, EI, Ph.D, is a Professional at Geosyntec Consultants (Tampa, FL). She can be reached at (813) 379-4407 or e-mail sgustitusGraham@geosyntec.com.

TAB 3 - TEAM'S PREVIOUS EXPERIENCE/ PROFICIENCY IN SIMILAR PROJECTS

The following section illustrates the Team's performance on transfer station design, permitting, and operational evaluation projects completed in the last 5 years. These also illustrate our work with various internal and external stakeholders to compete these projects in a timely and cost-effective manner. **We also have significant experience beyond the 5-year limit noted in the RFP.**

1. Northwest Transfer Station Engineering Support Tampa, Florida

Project Description:

Hillsborough County operates the Northwest Transfer Station, which manages 1,100 tons per day. In recent years, traffic delays, wear, and damage to the facility have resulted in service difficulties and increasing costs for the station. Among other challenges, waste receipts vary widely depending on the day of the week, overtime for operations personnel is excessive, clearing the tipping floor of wastes is difficult, and wait times for customers are long on days with heavy waste volumes. At the request of Hillsborough County under a master contract, Geosyntec is providing multiple services at the station.

Geosyntec is preparing the design for a major reconstruction of the interior of the transfer station, which will involve replacing the tipping floor and expanding the reinforced concrete push walls within the station to provide additional temporary surge storage. The scope of services includes identifying appropriate repair and replacement materials and rapid methods for construction, preparation of detailed design drawings and technical specifications, and technical support during procurement and construction. Geosyntec has also completed an operational evaluation of the station suggesting design and operational improvements.

Year Completed: Ongoing
Project Owner: Hillsborough County, FL
Point of Contact Name: Eduardo (Eddie) Busquets
Point of Contract Phone #: 813-285-3428
Scope: **See text to left**
Size: 1,500 tons per day (design)
Cost: $320,000
Principal Elements & Special Features:

- Operational Assessment
- Push Wall Design and Reconstruction
- Tipping Floor Replacement
- New Lighting Design
- Estimated Construction Schedule

ENR ranked Geosyntec as #40 in the Top 500 Design Firms for 2022

ENR Engineering News-Record

2. Alpha Ridge Transfer Station and Scale Facility Upgrades Howard County, Maryland

Project Description:

Howard County owns and operates the Alpha Ridge Landfill, where they operate a multifaceted waste management system that includes a landfill, citizen recyclable drop-off center, solid waste transfer station, vegetative waste composting, and food waste composting operations. The facility manages approximately 80,000 tons of wastes per year. As they receive increasingly more waste, Howard County identified that their 30-year-old scale facility and 15-year-old transfer station facilities were at the limits of their operational capacity, resulting in unacceptable wait times for customers and excessive overtime for Howard County's operations. Geosyntec was retained to prepare permit documents and detailed design plans that will double the size of the transfer station and double the throughput capacity of the scale facility while at the same time allowing uninterrupted operations during renovations.

Year Completed: Ongoing
Project Owner: Howard County, MD
Point of Contact Name: Andrew Kays, Director, Northeast Maryland Waste Disposal Authority
Point of Contract Phone: 410-333-2730
Scope: **See text to left**
Size: 300 tons per day
Cost: $250,000 (design fees only to date)
Principal Elements & Special Features:

- Operational Review
- Conceptual Design
- Construction Design and Phasing

To address the scale house's design issues, ergonomics for scale house personnel need to be improved, automated scales need to be incorporated for commercial vehicles, and vehicle transactional capacity needs to be increased. To address the issues at the transfer station, the tipping floor space needs to be doubled and a second load out bay needs to be added. It is important for this project to identify construction phasing plans for both the scale facility and transfer station that would allow existing operations to continue uninterrupted while the upgrades are under construction. At the same time, it is necessary to work within strict geometric constraints resulting from pre-existing pipeline rights-of-way, property lines, and wooded conservation areas. Work has progressed through the 60% design stage but has been on hold due to budget reallocation within the County.

Geosyntec is performing this work through its on-call services agreement with the Northeast Maryland Waste Disposal Authority, of which Howard County is a member jurisdiction.

3. McKay Bay Transfer Station
Tampa, Florida

Project Description:

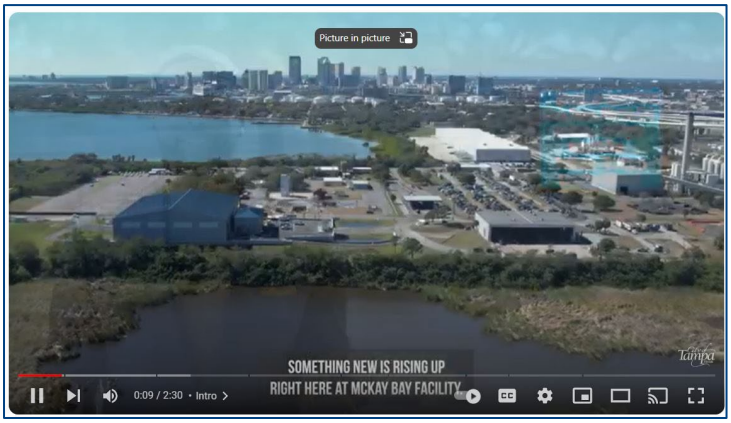
Howard and Associates, Architects provided services for the design, permitting, and construction of a new transfer station building and a self-haul recycling drop-off center in Tampa, Florida. Conceptual engineering and cost estimating has been completed, resulting in an estimated cost of $25.7 million for the transfer self-haul recycling drop-off area plus $2.4 million for the employee building. The design elements of the project include the following: a new 30,000-square-foot transfer station building; new employee building with multipurpose conference room, locker room and various administrative offices; a new 6-bay "Z wall" transfer station self-haul drop-off area; rehabilitated transfer station ingress and egress roads; and a new generator to power the station. A final design, estimated construction costs of the project, permitting assistance, and construction services were included.

Year Completed: Ongoing
Project Owner: City of Tampa
Point of Contact: Larry Washington, Director
Point of Contract Phone: 813-274-8211
Scope: **See text to left**
Size: 1,000 tons per day
Cost: 28.2 million
Principal Elements & Special Features:

- Mechanical design
- Fire suppression design
- Engineering and Permitting Support
- Construction inspection
- As-Built Certification

Link to preview City presentation on the Transfer Station:

New McKay Bay Transfer Station - YouTube



4. Clearwater Waste Transfer Station
Clearwater, FL

Project Description:

EMI provided mechanical, electrical, and plumbing (MEP) design for the Clearwater Waste Transfer Station. Originally built in 1971, the Clearwater Waste Transfer Station needed a major facelift to accommodate the increasing volume of waste generated by the city of Clearwater. Construction began in 2018 and was completed 2 years later. With construction set to begin in October 2018, the new facility was designed to be 4 times larger than the previous one. Since the previous 40-year-old facility was already at maximum capacity, the newer building would need to be designed to be in service for at least 4 more decades; the extra space was therefore crucial. The concrete walls inside the new waste transfer station were going to be massive: to put it in perspective, the inside space alone would

A site visit was performed at the final stage of construction, and a record drawing was prepared after construction was complete.

Year Completed: 2020
Project Owner: City of Clearwater
Point of Contact: Earl Gloster (Retired Director)
Point of Contract Phone: 813-781-2429
Scope: **See text to left**
Size: 1,000 tons per day
Cost: $25 million
Principal Elements & Special Features:

- Preliminary and Final Facility Design
- FDEP and City Permitting
- Project Coordination
- Estimated Construction Costs and Schedule
- Field Testing
- Construction Documents

5. Cost Benefit, Siting Analysis, Permitting and Design Services Lakeland, Florida

Project Description:

City of Lakeland currently disposes of solid waste at the Polk County North Central Landfill (Polk Landfill). In recent years, traffic delays, wear, and damage to trucks unloading at the Polk Landfill have resulted in service difficulties and cost overruns for the City's residential solid waste collection. As collection services within the City continue to grow, the issue could worsen in the future. At the City's request, Geosyntec prepared a report to consider the benefits and drawbacks of developing a solid waste transfer station to support the solid waste services it provides for citizens.

After we identified a design capacity for the potential transfer station, Geosyntec developed concept-level estimates of construction and operating costs with data from similar Florida-based facilities. Using this information, Geosyntec developed a Pro Forma Model, which included four scenarios of varying costs and benefits that enable the City to have preliminary, planning-level cost estimate for development and operation of the proposed transfer station. This model was also used to calculate a proposed tipping fee for use of the transfer station.

After the City Commission approved the cost-benefit study, Geosyntec was awarded a permitting and design study for the project. We have completed a survey and geotechnical investigation of the proposed site. Future tasks will include a rezoning application of the site, FDEP and Southwest Florida Water Management District permitting, and design plans for the project.

Year Completed: 2022
Project Owner: City of Lakeland
Point of Contact: Gene Ginn (Director)
Point of Contract Phone: 727 692-9797
Scope: **See text to left**
Size: 500 – 1,500 tons per day
Cost: Estimated $7,800,000
Principal Elements & Special Features:

- Cost Benefit Analysis
- Stakeholder Presentations
- Siting Analysis
- Transfer Station Sizing
- Operational Cost Estimate
- Estimated Construction Schedule


PLANNING AND ANALYSIS

Does a Transfer Station Make Sense for Your Community?

Preparing a cost benefit report to consider the benefits and drawbacks of developing a solid waste transfer station in Lakeland, FL.

Published Article

TAB 4 - REFERENCES

Below is the required reference information for all projects included as requested in the RFP.

ONE

Client Name: **Hillsborough County, FL**
Address: Tampa, Florida

Point of Contact Name: Eduardo (Eddie) Busquets **Contact Title:** Section Manager

Contact Phone: 813-285-3428 **Contact Fax:** (813) 264-3883
Contact Email: BusquetsE@hillsboroughcounty.org

Description of Work: At the request of Hillsborough County under a master contract, Geosyntec is providing multiple services at the station. Geosyntec is preparing the design for a major reconstruction of the interior of the transfer station, which will involve replacing the tipping floor and expanding the reinforced concrete push walls within the station to provide additional temporary surge storage. The scope of services includes identifying appropriate repair and replacement materials and rapid methods for construction, preparation of detailed design drawings and technical specifications, and technical support during procurement and construction. Geosyntec has also completed an operational evaluation of the station suggesting design and operational improvements.

Year Completed: Ongoing

(Total Cost) Design cost: $319,704 **Construction cost:** N/A

TWO

Client Name: **Howard County, MD**
Address: Howard County, Maryland

Point of Contact Name: Andrew Kays **Contact Title:** Director

Contact Phone: 410-333-2730 **Contact Fax:** 410-333-2721
Contact Email: akays@nmwda.orglarry

Description of Work: Geosyntec was retained to prepare permit documents and detailed design plans that will double the size of the transfer station and double the throughput capacity of the scale facility while at the same time allowing uninterrupted operations during renovations.

Year Completed: Ongoing

(Total Cost) Design cost: $250,000 **Construction cost:** N/A

THREE

Client Name: City of Tampa
Address: City of Tampa

Point of Contact Name: Larry Washington **Contact Title:** Director

Contact Phone: 813-274-8211 **Contact Fax:** 813-348-1156
Contact Email: Larry.Washington@tampagov.net

Description of Work: Howard and Associates, Architects provided services for the design, permitting, and construction for a new transfer station building and a self-haul recycling drop-off center in Tampa, Florida.

Year Completed:	Ongoing		
(Total Cost) Design cost:	1,100,000	**Construction cost:**	28.2 million

FOUR

Client Name:	**City of Clearwater**		
Address:	Clearwater, Florida		
Point of Contact Name:	Earl Gloster	**Contact Title:**	(Retired Director)
Contact Phone:	813-781-2429	**Contact Fax:**	N/A
Contact Email:	earlgloster76@gmail.com		

Description of Work: EMI provided mechanical, electrical, and plumbing (MEP) design for the Clearwater Waste Transfer Station

A site visit was performed at the final stage of construction, and a record drawing was prepared after construction was completed.

Year Completed:	**2020**		
(Total Cost) Design cost:	XX	**Construction cost:**	N/A

FIVE

Client Name:	**City of Lakeland**		
Address:	Lakeland, Florida		
Point of Contact Name:	Gene Ginn	**Contact Title:**	Director
Contact Phone:	727 692-9797	**Contact Fax:**	N/A
Contact Email:	Gene.Ginn@lakelandgov.net		

Description of Work: At the City of Lakeland's request, Geosyntec prepared a report to consider the benefits and drawbacks of developing a solid waste transfer station to support the solid waste services it provides for citizens. After we identified a design capacity for the potential transfer station, Geosyntec developed concept-level estimates of construction and operating costs with data from similar Florida-based facilities.

Year Completed:	2022		
(Total Cost) Design cost:	$7,800,000	**Construction cost:**	N/A

TAB 5 - LITIGATION AND INSURANCE

Resolved Litigation: On February 1, 2018, a fourth-tier subcontractor filed suit in the 18th Circuit Court for Bay County, Michigan, against Geosyntec, its client, and the other entities within the contractual chain. The lawsuit alleged that Plaintiff had not been paid for work completed. The third-tier subcontractor filed cross-claims alleging it was still owed approximately $63,000 for services rendered. Geosyntec had paid all invoices submitted to it and was indemnified by the second-tier subcontractor. The second tier negotiated a settlement of the claims asserted by Plaintiff, who dismissed its claims with respect to Geosyntec.

Resolved Litigation: On April 22, 2018, in the midst of negotiations with Geosyntec, a subcontractor filed a complaint in Allegheny County, Pennsylvania, to collect approximately $60,000 in disputed fees. The parties negotiated a settlement, and the lawsuit was dismissed.

Resolved Litigation: On May 22, 2019, the Estate of Kevin Quintanilla filed suit in Henrico County, Virginia, against Geosyntec, several other consultants, and the property owner regarding an accident that occurred and led to Kevin's death. His estate alleged the unsafe design of a road caused the accident to occur. Plaintiff dismissed the claims against Geosyntec after we proved Geosyntec had no connection to the design of the road.

Pending Litigation – Waterfront Toronto: Savron is a division of Geosyntec Consultants, Inc. After months of exchanging letters, Savron's client QM asked Savron to stop work and demanded that Savron refund amounts received. When Savron rejected QM's demand, QM filed a lawsuit on January 4, 2022, alleging negligence and negligent misrepresentation. Savron filed a responsive pleading and counterclaim. The parties have agreed to exchange documents in an effort to negotiate a resolution.

Pending Litigation: A client's insurer is pursuing a subrogation claim against Applied Technology and Management, Inc. (ATM), a subsidiary of Geosyntec Consultants, Inc. Electrical panels needed for the rehabilitation of a marina in Portland, Maine, were damaged during an extreme weather event. The insurer claims that ATM's negligence caused the damage and ATM should reimburse the insurer. ATM disagrees and has denied the allegations. The insurer filed a lawsuit against ATM on April 17, 2023.

TAB 6 - CITY REQUIRED FORMS

- A1: Proposal Submittal Signature Form
- A2: Statement of Organization
- A3: References
- A4: Drug-Free Workplace
- A5: Public Entity Crime Information
- A6: Non-Collusive Affidavit
- A7: Lobbying Certification
- A8: Conflict of Interest Form
- A9: Disclosure Form (Consultant/Engineer/Architect)
- A10: Scrutinized Company Certificate
- A11: E-Verify System
- Sample Insurance Certificate

REQUIREMENTS CHECKLIST AND METHOD OF SUBMITTAL

TAB 6 CITY REQUIRED FORMS – This checklist is provided to assist each Proposer in the preparation of their response. Included in this checklist are important requirements, which are the responsibility of each Proposer to submit in order to make their response fully compliant. It is the responsibility of each Proposer to read and comply with the solicitation in its entirety.

REQUIRED SUBMITTAL FORMS: Provide fully executed forms.

✓ **ATTACHMENT 1:** Proposal Submittal Signature Form

✓ **ATTACHMENT 2:** Statement of Organization

✓ **ATTACHMENT 3:** References – Consultant is to contact the references and advise his/her references that the City will be sending an e-mail and reference form which needs to be completed and e-mailed back to the City in a timely manner.

✓ **ATTACHMENT 4:** Drug-Free Workplace

✓ **ATTACHMENT 5 :** Public Entity Crime Information

✓ **ATTACHMENT 6:** Non-Collusive Affidavit

✓ **ATTACHMENT 7:** Lobbying Certification

✓ **ATTACHMENT 8:** Conflict of Interest Form

✓ **ATTACHMENT 9:** Disclosure Form (Consultant/Engineer/Architect)

✓ **ATTACHMENT 10:** Scrutinized Company Certificate

✓ **ATTACHMENT 11:** E-Verify System

✓ **SAMPLE INSURANCE CERTIFICATE:** Demonstrate your firm's ability to comply with insurance requirements. Provide a previous certificate or other evidence listing the Insurance Companies names for both Professional Liability and General Liability and the dollar amounts of the coverage.

MBE/WBE/VBE: If claiming either Minority Business Enterprise/Women Business Enterprises/Veteran Business Enterprise, the Prime Firm (not sub-consultant) **shall be** certified as a Minority Business Enterprise by the State of Florida, Department of Management Services, Office of Supplier Diversity pursuant to Section 287.0943, Florida Statutes.

✓ **YES**, CLAIMING STATUS AS PRIME ONLY

YES, I'VE ATTACHED THE CERTIFICATE OF MBE/WBE STATUS FROM STATE OF FLORIDA AS OUTLINED SECTION 1.

✓ **NOT CLAIMING MBE/WBE /VBE**

PLEASE INITIAL AND RETURN WITH YOUR PROPOSAL. AA

THIS PAGE MUST BE COMPLETED AND SUBMITTED

ATTACHMENT 1 – PROPOSAL SUBMITTAL SIGNATURE FORM

The undersigned attests to his/her authority to submit this proposal and to bind the firm herein named to perform as per Agreement, if the firm is awarded the Agreement by the City.

The undersigned further certifies that he/she has read the Request for Proposal, Terms and Conditions, Insurance Requirements and any other documentation relating to this request and this proposal is submitted with full knowledge and understanding of the requirements and time constraints noted herein.

As addenda are considered binding as if contained in the original specifications, it is critical that the firm acknowledge receipt of same. The submittal may be considered void if receipt of an addendum is not acknowledged.

Addendum No. 1 Dated 11/02/2023 Addendum No. _____ Dated _____
Addendum No. 2 Dated 11/09/2023 Addendum No. _____ Dated _____
Addendum No. 3 Dated 11/17/2023 Addendum No. _____ Dated _____

Company Name Geosyntec Consultants, Inc

Telephone # 561-991-0900 **E-Mail** tkafka@geosyntec.com **Fax #** 561-995-0925

Main Office Address 900 Broken Sound Pky. Suite 200

City Boca Raton **State** FL **Zip Code** 33487

Address of Office Servicing City of North Port, if different than above: ***SAME AS ABOVE***

Office Address 12802 Tampa Oaks Blvd, Suite 151

City Tampa **State** FL **Zip Code** _____

Telephone # 813-558-0990 **E-mail** tkafka@geosyntec.com **Fax #** 813-558-9726

Name & Title of Firm Representative Todd Kafka, PG, Senior Principal/Vice President

Signature Todd L/K **Date** 11-14-23

ATTACHMENT 3 – REFERENCES/CLIENT LISTING

Include at least two (2) References and no more than five (5) References within the last 10 years of projects with similar scope as listed in this RFP. The Project Manager and the key design engineer(s) in the proposed project team must show relevant experience in two (2) referenced similar projects.

1. Business/Customer Name: Hillsborough County, FL

   Name of Contact Person/Title: Eduardo (Eddie) Busquets, Section Manager

   Telephone# 813-285-3428 Fax (813) 264-3883 E-mail BusquetsE@hillsboroughcounty.org

   Address Tampa, Florida

   Phone Number 813-285-3428

   Duration of Contract or business relationship _____ Project completion date: Ongoing

   Type of Services Provided See Tab 3

   Cost of Project: Design $319,704 Construction: N/A

2. Business/Customer Name: Howard County, MD

   Name of Contact Person/Title: Andrew Kays, Director

   Telephone# 410-333-2730 Fax 410-333-2721 E-mail akays@nmwda.orglarry

   Address Howard County, Maryland

   Phone Number 410-333-2730

   Duration of Contract or business relationship _____ Project completion date: Ongoing

   Type of Services Provided See Tab 3

   Cost of Project: Design $250,000 Construction: _____

3. Business/Customer Name: City of Tampa

   Name of Contact Person/Title: Larry Washington, Director

   Telephone# 813-274-8211 Fax 813-348-1156 E-mail Larry.Washington@tampagov.net

   Address City of Tampa

   Phone Number 813-274-8211

   Duration of Contract or business relationship _____ Project completion date: Ongoing

   Type of Services Provided _____

   Cost of Project: Design 1,100,000 Construction: 28.2 million

4. Business/Customer Name: City of Lakeland

Name of Contact Person/Title: Gene Ginn, Director

Telephone# 727 692-9797 Fax N/A E-mail Gene.Ginn@lakelandgov.net

Address Lakeland, Florida

Phone Number 727 692-9797

Duration of Contract or business relationship _____ Project completion date: 2022

Type of Services Provided See Tab 3

Cost of Project: Design $7,800,000 Construction: N/A

5. Business/Customer Name: _____

Name of Contact Person/Title: _____

Telephone# _____ Fax _____ E-mail _____

Address _____

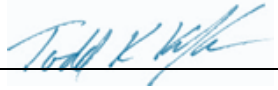
Phone Number _____

Duration of Contract or business relationship _____ Project completion date: _____

Type of Services Provided _____

Cost of Project: Design _____ Construction: _____

Date: 11/14/2023

Signed (*Person authorized to bind the company*): 

Name (printed): Todd Kafka, PE **Title:** Senior Principal/Vice President

ATTACHMENT 2 – STATEMENT OF ORGANIZATION
(Information Sheet for Transactions and Conveyances Corporation Identification)

The following information will be provided to the City of North Port for incorporation in legal documents. It is, therefore, vital all information is accurate and complete. Please be certain all spelling, and capitalization is exactly as registered with the state or federal government.

Name of Respondent: Geosyntec Consultants, Inc

DBA (if any):_____

Type of Entity (Sole Proprietor, Corporation, LLC, LLP, Partnership, etc.): Corporation

Corporate Address: 900 Broken Sound Pkwy, STE 200,Boca Raton, FL 33487

_____

Phone: 561-995-0900 **Fax:** 561-995-0925

E-Mail tkafka@geosyntec.com

Federal Identification Number: 59-2355134

State of Florida Department of State Certificate of Authority Document No.: G72454

Respondent shall submit proof that it is authorized to do business in the State of Florida unless registration is not required by law.

(Please Check One)

Is this a Florida Corporation: _X__**Yes** **or** ___**No**

If not a Florida Corporation,
In what state was it created: _____
Name as spelled in that State: _____

Name of Corporation (As used in Florida):_____
(Spelled exactly as it is registered with the state or federal government)

What kind of corporation is it: _X_**"For Profit"** **or** ____**"Not for Profit"**

Is it in good standing: X___**Yes** **or** ___**No**

Authorized to transact business in Florida: X___**Yes** **or** ___**No**

Does it use a registered fictitious name: ____**Yes** **or** _X_**No**
(If yes, provide_____)

Names of Officers:

President: Peter Zeeb
Vice President: Todd Kafka, PG
Director:_____
Other:_____

Secretary: Jordan Rattray
Treasurer: Lucas DeMelo
Director:_____
Other:_____

Print Name and Title of person authorized to bind: Todd Kafka, PG, Senior Principal/Vice President

ATTACHMENT 4

DRUG FREE WORKPLACE FORM

The undersigned, in accordance with Florida Statutes Section 287.087, hereby certifies that the Contractor, Geosyntec Consultants, Inc (Company Name):

1. Publishes a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Informs employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. Gives each employee engaged in providing the commodities or Contractual services that are under bid a copy of the statement specified in subsection (1).
4. In the statement specified in subsection (1), notifies employees that, as a condition of working on the commodities or Contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
5. Imposes a sanction on or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.
6. Makes a good faith effort to continue to maintain a drug free workplace through implementation of this section.

Check one:

✓ As the person authorized to sign this statement, I certify that this firm complies fully with above requirements.

_____ As the person authorized to sign this statement, this firm **does not** comply fully with the above requirements.

Todd K Kafka

Signature

Todd Kafka, PG

Printed Name

Senior Principal/Vice President

Title

11-14-23

Date

ATTACHMENT 5

PUBLIC ENTITIY CRIME INFORMATION

As provided by F.S. §287.133, a person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid on a Contract to provide any goods or services to a public entity, may not submit a bid on a Contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to a public entity, may not be awarded or perform work as a Contractor, supplier, Subcontractor, or Consultant under a Contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.

I, Todd Kafka, PG, being an authorized representative of the Contractor,

have read and understand the contents above.

I certify that the Contractor is not disqualified from replying to this solicitation/contracting because of Florida Statutes Section 287.133.

Telephone #: 813-558-0990 Fax #: 813-558-9726

Federal ID #: 59-2355134 Email: tkafka@geosyntec.com

Todd K/K
Signature of Contractor's Authorized Representative

Todd Kafka, PG, Senior Principal/Vice President
Name and Title of Contractor's Authorized Representative

11-14-23
Date

STATE OF Florida
CITY OF Tampa
Sworn to (or affirmed) and subscribed before me by means of X physical presence or ___online notarization, this 14 day of November 2023, by _____.

ANGELA ACOSTA
Notary Public - State of Florida
Commission # GG 961519
My Comm. Expires Mar 8, 2024
Bonded through National Notary Assn.

Notary Public – State of FLORIDA

Personally Known X OR Produced Identification ____
Type of Identification Produced _____

Date: 11/14/23

Signed (*Person authorized to bind the company*): Todd K/K

Name (printed): Todd KAFKA, P.G **Title:** Senior Principal/Vice President

ATTACHMENT 6

NON-COLLUSIVE AFFIDAVIT

Before me, the undersigned authority ("Affiant"), personally appeared:
Todd Kafka, PG who, being first duly sworn, deposes and says that:

1. Affiant is the Todd Kafka, PG **[*insert Owner, Partner, Officer, Representative or Agent*]** of Geosyntec Consultants, Inc, **[*insert name of Contractor*]** the Respondent that has submitted the attached reply;

2. Affiant is fully informed respecting the preparation and contents of the attached reply and of all pertinent circumstances respecting such reply;

3. Such reply is genuine and is not a collusive or sham reply;

4. Neither the said Respondent nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant, have in any way colluded, conspired, connived or agreed, directly or indirectly, with any other respondent, firm, or person to submit a collusive or sham reply in connection with the work for which the attached reply has been submitted: or have in any manner, directly or indirectly sought by agreement or collusion, or communication or conference with any respondent, firm, or person to fix the price or prices in the attached reply or of any other respondent, or to fix any overhead, profit, or cost elements of the reply price or the reply price of any other respondent, or to secure through any collusion, conspiracy, connivance, or unlawful agreement any advantage against (Recipient), or any person interested in the reply work.

Signed, sealed, and delivered on November 14, 2023.

Signature Todd K Kafka

Printed Name Todd K Kafka

Title Vice President

SWORN ACKNOWLEDGMENT

STATE OF Florida
COUNTY OF Hillsborough

Sworn to (or affirmed) and subscribed before me by means of X physical presence or ___ online notarization, this 14 day of November 2023, by Todd KAFKA.

ANGELA ACOSTA
Notary Public - State of Florida
Commission # GG 961519
My Comm. Expires Mar 8, 2024
Bonded through National Notary Assn.

ATTACHMENT 7

CERTIFICATION REGARDING LOBBYING

The undersigned certifies, to the best of his or her knowledge, that:

1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

3. The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31, U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

The Contractor certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. § 3801 et seq., apply to this certification and disclosure, if any.

Todd K/C
Signature of Contractor's Authorized Representative

Todd Kafka, PG
Name

Senior Principal/Vice President
Title

11-14-23
Date

ATTACHMENT 8

CONFLICT OF INTEREST FORM

Florida Statutes Section 112.313 places limitations on public officers (including advisory board members) and employees' ability to contract with the City of North Port, Florida ("City") either directly or indirectly.

PART I. [*Select and complete all that apply*]:

_____ I am an employee, public officer, or advisory board member of the City.

Identify the position and/or board: _____

_____ I am the spouse or child of an employee, public officer, or advisory board member of the City.

Identify the name of the spouse or child: _____

_____ I am an employee, public officer or advisory board member of the City, or my spouse or child, is an officer, partner, director, or proprietor of Respondent/Contractor or has a material interest in Contractor. "Material interest" means direct or indirect ownership of more than 5 percent of the total assets or capital stock of any business entity. For the purposes of Florida Statutes Section 112.313, indirect ownership does not include ownership by a spouse or minor child.

Identify the name of the person and the entity _____

_____ Bidder/Contractor employs or contracts with an employee, public officer, or advisory board member of the City.

Identify the name of the employee, public officer, or advisory board member _____

__X__ None of the Above

PART II: Will you request an advisory board member waiver?

_____I WILL request an advisory board member waiver under §112.313(12)

_____I WILL NOT request an advisory board member waiver under §112.313(12)

__X__N/A

The City will review any relationships which may be prohibited under the Florida Ethics Code and will disqualify any Contractor whose conflicts are not waived or exempt.

Todd K

Signature of Person Authorized to Bind the Contractor

Todd Kafka, PG

Printed Name

Senior Principal/Vice President

Title

11-14-23

Date

ATTACHMENT 9

DISCLOSURE FORM FOR CONSULTANT/ENGINEER/ARCHITECT

Please select (only) one of the following three options:

_X_ Our firm has no actual, potential, or reasonably perceived, **financial*** or **other interest**** in the outcome of the project.

___ Our firm has a potential or reasonably perceived **financial*** or **other interest**** in the outcome of the project as described here: _____.

___ Our firm proposes to mitigate the potential or perceived conflict according to the following plan:

_____.

___ Our firm has an actual **financial*** or **other interest**** in the outcome of the project as described here:

_____.

***What does "financial interest" mean?**

If your firm, or employee of your firm working on the project (or a member of the employee's household), will/may be perceived to receive or lose private income depending on the government business choices based on your firm's findings and recommendations, this must be listed as a financial interest. An example would be ownership in physical assets affected by the government business choices related to this project. The possibility of contracting for further consulting services is not included in this definition and is not prohibited.

****What does "other interest" mean?**

If your firm, or employee of your firm working on the project (or a member of the employee's household), will/may be perceived to have political, legal or any other interests that will affect what goes into your firm's findings and recommendations, or will be/may be perceived to be affected by the government business choices related to this project, this must be listed as another interest.

Todd Kafka

Signature of Person Authorized to Bind the Contractor

Todd Kafka, PG

Printed Name

Senior Principal/Vice President

Title

11-14-23

Date

ATTACHMENT 10

SCRUTINIZED COMPANY CERTIFICATION FORM

Contractor Name: Geosyntec Consultants, Inc
Authorized Representative Name and Title: Todd Kafka, PG, Senior Principal/Vice President
Address: 12802 Tampa Oaks Blvd, Suite 151 City: Tampa State: FL ZIP: 33637
Phone Number: 813-558-0990 Email Address: tkafka@geosyntec.com

A company is ineligible to, and may not, bid on, submit a proposal for, or enter into or renew a Contract with the City of North Port for goods or services of any amount if, at the time of bidding on, submitting a proposal for, or entering into or renewing such Contract, the company is on the Scrutinized Companies that Boycott Israel List, created pursuant to Florida Statutes, section 215.4725, or is engaged in a boycott of Israel.

A company is ineligible to, and may not, bid on, submit a proposal for, or enter into or renew a Contract with the City of North Port for goods or services of $1 million or more if, at the time of bidding on, submitting a proposal for, or entering into or renewing such Contract, the company is on the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, created pursuant to Florida Statutes, section 215.473, or with companies engaged in business operations in Cuba or Syria.

CHOOSE ONE OF THE FOLLOWING

_X_ This Contract or Contract renewal is for goods or services of less than $1 million. As the person authorized to sign on behalf of the above-named company, and as required by Florida Statutes Section 287.135(5), I hereby certify that the above-named company is not participating in a boycott of Israel.

____ This bid, proposal, Contract or Contract renewal is for goods or services of $1 million or more. As the person authorized to sign on behalf of the above-named company, and as required by Florida Statutes Section 287.135(5), I hereby certify that the above-named company is not participating in a boycott of Israel, is not on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, and it does not have business operations in Cuba or Syria.

I understand that pursuant to Florida Statutes, section 287.135, the submission of a false certification may result in the termination of the Contract if one is entered into, and may subject the above-named company to civil penalties, attorney's fees and costs.

Certified By:

Todd K

Signature of Contractor's Authorized Representative

Todd Kafka, PG
Name

Senior Principal/Vice President
Title

11-14-23
Date

ATTACHMENT 11

VENDOR'S CERTIFICATION FOR E-VERIFY SYSTEM

The undersigned Vendor/Consultant/Contractor (Vendor), after being duly sworn, states the following:

1. Vendor is a person or entity that has entered into or is attempting to enter into a contract with the City of North Port (City) to provide labor, supplies, or services to the City in exchange for salary, wages or other renumeration.

2. Vendor has registered with and will use the E-Verify System of the United States Department of Homeland Security to verify the employment eligibility of:

    a. All persons newly hired by the Vendor to perform employment duties within Florida during the term of the contract; and

    b. All persons, including sub-contractors, sub-vendors or sub-consultants, assigned by the Vendor to perform work pursuant to the contract with the City.

3. If the Vendor becomes the successful Contractor who enters into a contract with the City, then the Vendor will comply with the requirements of Section 448.095, Fla. Stat. "Employment Eligibility", as amended from time to time.

4. Vendor will obtain an affidavit from all subcontractors attesting that the subcontractor does not employ, contract with, or subcontract with, an unauthorized alien as defined in 8 United States Code, Section 1324A(H)(3).

5. Vendor will maintain the original affidavit of all subcontractors for the duration of the contract.

6. Vendor affirms that failure to comply with the state law requirements can result in the City's termination of the contract and other penalties as provided by law.

7. Vendor understands that pursuant to Florida Statutes, section 448.095, the submission of a false certification may result in the termination of the contract if one is entered into, and may subject the Vendor named in this certification to civil penalties, attorney's fees and costs.

VENDOR: Geosyntec Consultants, Inc (Vendor's Company Name)

Certified By: Todd Kafka
AUTHORIZED REPRESENTATIVE SIGNATURE

Print Name and Title: Todd Kafka, PG, Senior Principal/Vice President

Date Certified: 11-14-23

END OF PART IV

Geosyntec consultants

engineers | scientists | innovators

geosyntec.com